# AASP African American Studies Spring 2013

**AASP100** **Introduction to African American Studies**

**AASP100 Introduction to African American Studies; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Significant aspects of the history of African Americans with particular emphasis on the evolution and development of black communities from slavery to the present. Interdisciplinary introduction to social, political, legal and economic roots of contemporary problems faced by blacks in the United States with applications to the lives of other racial and ethnic minorities in the Americas and in other societies.

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| 0101 | Shane Walsh<br>MWF 10:00am - 10:50am | Seats (Total: 35)<br>LEF 1220 |
| 0102 | Shane Walsh<br>MWF 12:00pm - 12:50pm | Seats (Total: 35)<br>LEF 1201 |
| 0103 | Jonathan England<br>TuTh 11:00am - 12:15pm | Seats (Total: 35)<br>ARM 0110 |
| 0104 | Jonathan England<br>TuTh 12:30pm - 1:45pm | Seats (Total: 30)<br>SQH 1107 |
| 0105 | Jason Nichols<br>TuTh 11:00am - 12:15pm | Seats (Total: 35)<br>LEF 1220 |
| 0106 | Jason Nichols<br>TuTh 2:00pm - 3:15pm | Seats (Total: 35)<br>JMP 2202 |

**AASP100H** **Introduction to African American Studies**

**AASP100H Introduction to African American Studies; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Significant aspects of the history of African Americans with particular emphasis on the evolution and development of black communities from slavery to the present. Interdisciplinary introduction to social, political, legal and economic roots of contemporary problems faced by blacks in the United States with applications to the lives of other racial and ethnic minorities in the Americas and in other societies. Restricted to HONR students only.

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| 0101 | Jonathan England<br>TuTh 12:30pm - 1:45pm | Seats (Total: 5)<br>SQH 1107 |
| 0102 | Jonathan England<br>TuTh 11:00am - 12:15pm | Seats (Total: 5)<br>ARM 0110 |

**AASP101** **Public Policy and the Black Community**

**AASP101 Public Policy and the Black Community; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
*Formerly: AASP300.* The impact of public policies on the black community and the role of the policy process in affecting the social, economic and political well-being of minorities. Particular attention given to the post-1960 to present era.

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| 0101 | Gniesha Dinwiddie<br>TuTh 3:00pm - 4:15pm | Seats (Total: 39)<br>MMH 0108 |

**AASP200** **African Civilization**

**AASP200 African Civilization; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
A survey of African civilizations from 4500 B.C. to present. Analysis of traditional social systems. Discussion of the impact of European colonization on these civilizations. Analysis of the influence of traditional African social systems on modern African institutions as well as discussion of contemporary processes of Africanization.

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| 0101 | Ibrahim Kargbo<br>W 4:00pm - 6:30pm | Seats (Total: 40)<br>KEY 0103 |

**AASP202** **Black Culture in the United States**

**AASP202 Black Culture in the United States; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
The course examines important aspects of African American life and thought which are reflected in African American literature, drama, music and art. Beginning with the cultural heritage of slavery, the course surveys the changing modes of black creative expression from the 19th-century to the present.

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| 0101 | Dennis Doster<br>MW 10:00am - 11:15am | Seats (Total: 35)<br>ARC 1101 |
| 0201 | Dennis Doster<br>MW 1:00pm - 2:15pm | Seats (Total: 35)<br>TYD 2106 |
| 0301 | Robert Choflet<br>TuTh 11:00am - 12:15pm | Seats (Total: 30)<br>MMH 0108 |
| 0401 | Robert Choflet<br>TuTh 2:00pm - 3:15pm | Seats (Total: 35)<br>SQH 1105 |

**AASP202H** **Black Culture in the United States**

**AASP202H Black Culture in the United States; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
The course examines important aspects of African American life and thought which are reflected in African American literature, drama, music and art. Beginning with the cultural heritage of slavery, the course surveys the changing modes of black creative expression from the 19th-century to the present.

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| 0101 | Robert Choflet<br>TuTh 11:00am - 12:15pm | Seats (Total: 5)<br>MMH 0108 |

**AASP274** **Creative Writing Through The Eyes of African Americans: A Beginning Workshop**

**AASP274 Creative Writing Through The Eyes of African Americans: A Beginning Workshop; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Must not have completed any courses from ENGL278C, AASP274, AASP298W, ENGL274, ENGL271, ENGL294N, or ENGL294. Also offered as: ENGL274. Credit only granted for: ENGL274, ENGL278C, ENGL294, ENGL294N, AASP274 or AASP298W. Formerly: AASP298W.* Introduction to theory and practice of writing fiction, drama and poetry, with an emphasis on African American literary models. Critical reading, exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process.

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| 0101 | Valerie Turner | Seats (Total: 20) |
| | TuTh 9:30am - 10:45am | NCC 0120 |

**AASP297** **Research Methods in African American Studies**

**AASP297** *(PermReq)* **Research Methods in African American Studies; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: AASP101 or AASP202. Restriction: Must be in African American Studies program. Credit only granted for: AASP297 or AASP299R. Formerly: AASP299R.* Introduces African American Studies majors to the basic research skills, methodologies, sources, and repositories for studying African Diaspora. Students will be required to select a research topic, write a research proposal, develop an annotated bibliography, and in the process will be prepared for completing their senior thesis or other significant writing projects necessary to fulfill the requirements of the major.

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| 0101 | Joseph Richardson | Seats (Total: 20) |
| | TuTh 12:30pm - 1:45pm | WDS 1131 |

**AASP298B** **Special Topics in African American Studies; The Constructions of Manhood and Womanhood in the Black Community**

**AASP298B Special Topics in African American Studies: The Constructions of Manhood and Womanhood in the Black Community; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as WMST265.

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| 0101 | Jeffrey McCune Jr.<br>MW 3:00pm - 4:15pm | Seats (Total: 35)<br>WDS 0104 | |

**AASP298F** **Special Topics in African American Studies; Caribbean Film and Literature**
**Contact department for information to register for this course.**

**AASP298L** **Special Topics in Afro-American Studies: Introduction to African-American Literature**

**AASP298L Special Topics in Afro-American Studies: Introduction to African-American Literature; (3 credits)** Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Also offered as ENGL234.

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| 0101 | Mary Washington<br>MW 2:00pm - 2:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 20)<br>JMZ 0220<br>TWS 0201 | Discussion |
| 0102 | Mary Washington<br>MW 2:00pm - 2:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 20)<br>JMZ 0220<br>TWS 1107 | Discussion |
| 0105 | Mary Washington<br>MW 2:00pm - 2:50pm<br>F 9:00am - 9:50am | Seats (Total: 20)<br>JMZ 0220<br>TWS 0201 | Discussion |
| 0107 | Mary Washington<br>MW 2:00pm - 2:50pm<br>F 10:00am - 10:50am | Seats (Total: 20)<br>JMZ 0220<br>KEY 0119 | Discussion |

**AASP298Z** **Special Topics in African American Studies; Jazz as a Cultural Art Form**

**AASP298Z Special Topics in African American Studies: Jazz as a Cultural Art Form; (3 credits)** Grade Method: REG/P-F/AUD.
Formerly: AASP298U.

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| 0101 | Ronald Zeigler<br>M 2:00pm - 4:30pm | Seats (Total: 43)<br>NCC 0130 | |

**AASP303** **Computer Applications in African American Studies**

**AASP303 Computer Applications in African American Studies; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: STAT100, MATH111, or SOCY201; or students who have taken courses with comparable content may contact the department.* Introduction to statistics and database processing software used in model estimation and simulation in policy analysis. Special emphasis on applications for applied research on policy problems confronting minority communities.

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| 0101 | Brian Ward<br>MW 6:00pm - 7:15pm | Seats (Total: 20)<br>LEF 0214 |

**AASP305** **Theoretical, Methodological and Policy Research Issues in African American Studies**

**AASP305 Theoretical, Methodological and Policy Research Issues in African American Studies; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: AASP301; and (STAT100, MATH111, PSYC200, BMGT230, or SOCY201). Or students who have taken courses with comparable content may contact the department. Formerly: AASP401.* Theories and concepts in the social and behavioral sciences relating to problems in minority communities. Issues include validity and soundness of theoretical arguments, epistemological questions of various methodologies and the relationship between policy making and policy research.

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| 0101 | Odis Johnson<br>Th 4:00pm - 6:30pm | Seats (Total: 18)<br>LEF 1222 |

**AASP310** **African Slave Trade**

**AASP310 African Slave Trade; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: AASP202 or AASP100; or permission of BSOS-African American Studies department. Formerly: AASP311.* The relationship of the slave trade of Africans to the development of British capitalism and its industrial revolution; and to the economic and social development of the Americas.

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| 0101 | Ibrahim Kargbo<br>W 1:00pm - 3:30pm | Seats (Total: 35)<br>MMH 3418 |

**AASP386** **Experiential Learning**

**AASP386** *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
*Restriction: Permission of BSOS-African American Studies department; and junior standing or higher.*

**Contact department for information to register for this course.**

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**AASP396** **Independent Study Non-Thesis Option**

**AASP396 Independent Study Non-Thesis Option; (3 credits)** Grade Method: REG. *Prerequisite: AASP386 and AASP297. Restriction: Must be in African American Studies program. Credit only granted for: AASP396 or AASP397.* A research seminar that allows African American Studies majors to complete an independent study research project in lieu of completing the AASP397: Senior Thesis. Students will examine various concepts of race, gender, labor and ethnicity in the seminar lecture component to be applied toward their specific research projects.

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| 0101 | Gniesha Dinwiddie | Seats (Total: 10) |
| | W 10:00am - 12:30pm | TLF 1102 |

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**AASP397** **Senior Thesis**

**AASP397** *(PermReq)* **Senior Thesis; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
*Restriction: Permission of BSOS-African American Studies department.* Directed research in African American Studies resulting in the completion and defense of a senior thesis.

**Contact department for information to register for this course.**

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**AASP398Q** **Selected Topics in the African Diaspora; Black Baltimore in the Post Racial U.S: African American Urban Culture in the Age of Obama**

**AASP398Q Selected Topics in the African Diaspora: Black Baltimore in the Post Racial U.S: African American Urban Culture in the Age of Obama; (3 credits)** Grade Method: REG.

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| 0101 | Robert Choflet | Seats (Total: 35) |
| | Th 3:00pm - 5:30pm | LEF 1220 |

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**AASP402** **Classic Readings in African American Studies**

**AASP402 Classic Readings in African American Studies; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: AASP202 or AASP100.* Classic readings of the social, economic and political status of blacks and other minorities in the United States and the Americas.

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| 0101 | David Terry<br>Tu 4:00pm - 6:30pm | Seats (Total: 23)<br>PLS 1146 |

**AASP411** **Black Resistance Movements**
**Contact department for information to register for this course.**

**AASP441** **Science, Technology, and the Black Community**

**AASP441 Science, Technology, and the Black Community; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
*Prerequisite: HIST255, AASP202, or AASP100; or permission of BSOS-African American Studies department.* Scientific knowledge and skills in solving technological and social problems, particularly those faced by the black community. Examines the evolution and development of African and African American contributions to science. Surveys the impact of technological changes on minority communities.

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| 0101 | Jerry Semper<br>W 4:00pm - 6:30pm | Seats (Total: 35)<br>TYD 1108 |

**AASP443** **Blacks and the Law**

**AASP443 Blacks and the Law; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
*Prerequisite: HIST255, AASP202, or AASP100; or permission of BSOS-African American Studies department.* The relationship between black Americans and the law, particularly criminal law, criminal institutions and the criminal justice system. Examines historical changes in the legal status of blacks and changes in the causes of racial disparities in criminal involvement and punishments.

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| 0101 | Joseph Clark<br>W 6:00pm - 8:30pm | Seats (Total: 35)<br>LEF 1220 |

**AASP478L** **Humanities Topics in African American Studies; Literature and the Shaping of the Caribbean**
**Contact department for information to register for this course.**

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**AASP498B** **Special Topics in Black Culture; Black Women's Art and Culture**

**AASP498B Special Topics in Black Culture: Black Women's Art and Culture; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as WMST498Z.

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| 0101 | Elsa Barkley Brown | Seats (Total: 35) |
| | M 1:00pm - 3:30pm | TYD 2109 |

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**AASP498C** **Special Topics in Black Culture; African Americans and the City: 1899-2007**

**AASP498C Special Topics in Black Culture: African Americans and the City: 1899-2007; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Odis Johnson | Seats (Total: 25) |
| | W 5:00pm - 7:30pm | KEY 0124 |

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**AASP498F** **Special Topics in Black Culture; Women in Caribbean**
**Contact department for information to register for this course.**

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**AASP498K** **Special Topics in Black Culture; Black Masculinities in Art, Music, and Dacne**

**AASP498K Special Topics in Black Culture: Black Masculinities in Art, Music, and Dacne; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Jason Nichols | Seats (Total: 35) |
| | Tu 4:00pm - 6:30pm | KEY 0116 |

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**AASP498W** **Special Topics in Black Culture; Washington and Prince George's History, Culture, and Public Policy**

**AASP498W Special Topics in Black Culture: Washington and Prince George's History, Culture, and Public Policy; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Jonathan England | Seats (Total: 45) |
| | M 5:00pm - 7:30pm | TYD 2109 |

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**AASP499T** **Advanced Topics in Public Policy and the Black Community; Race, Poverty, Violence, and the Juvenile Justice System: A Theoretical and Contextual Analysis of Social Capital**

**AASP499T Advanced Topics in Public Policy and the Black Community: Race, Poverty, Violence, and the Juvenile Justice System: A Theoretical and Contextual Analysis of Social Capital; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Joseph Richardson | Seats (Total: 35) |
| | Tu 4:00pm - 6:30pm | SQH 1121 |

# AAST Asian American Studies Spring 2013

**AAST200** **Introduction to Asian American Studies**

**AAST200 Introduction to Asian American Studies; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
The aggregate experience of Asian Pacific Americans, from developments in the countries of origin to their contemporary issues. The histories of Asian Pacific American groups as well as culture, politics, the media, and stereotypes, viewed from an interdisciplinary perspective. Also offered as AMST298C.

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| 0101 | Julie Park | Seats (Total: 40) |
| | TuTh 2:00pm - 3:15pm | ASY 2309 |

**AAST201** **Asian American History**

**AAST201 Asian American History; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
*Also offered as: HIST221. Credit only granted for: AAST201, HIST219G, HIST219M, or HIST221.* Introduction to the history of Asian Americans and Asians in the United States and the Americas and to the field of Asian American Studies, from an interdisciplinary perspective. Topics include theories of race and ethnicity; Asian migration and diaspora to the Americas; Asian American work and labor issues; gender, family, and communities; nationalism and nativism, and anti-Asian movements; Asian Americans in World War II, the Cold War, and the issues in the civil rights & post-civil rights era.

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| 0101 | Shuji Otsuka<br>MW 9:00am - 9:50am<br>M 4:00pm - 4:50pm | Seats (Total: 20)<br>TYD 1102<br>ASY 3217 | Discussion |
| 0102 | Shuji Otsuka<br>MW 9:00am - 9:50am<br>M 12:00pm - 12:50pm | Seats (Total: 20)<br>TYD 1102<br>ASY 3219 | Discussion |
| 0103 | Shuji Otsuka<br>MW 9:00am - 9:50am<br>W 12:00pm - 12:50pm | Seats (Total: 20)<br>TYD 1102<br>TYD 1108 | Discussion |

**AAST222** **Immigration and Ethnicity in America**

**AAST222 Immigration and Ethnicity in America; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
*Also offered as: HIST222. Credit only granted for: AAST222, AAST298A, HIST219L, or HIST222. Formerly: AAST298A.* The history of immigration and the development of diverse populations in the United States are examined. Topics include related political controversies, the social experiences of immigrants, ethnicity, generations, migration, inter-group relations, race and diversity in American culture. Also offered as HIST222.

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| 0101 | Lisa Mar<br>MW 11:00am - 11:50am<br>M 10:00am - 10:50am | Seats (Total: 20)<br>PLS 1140<br>PLS 1164 | Discussion |
| 0102 | Lisa Mar<br>MW 11:00am - 11:50am<br>M 1:00pm - 1:50pm | Seats (Total: 20)<br>PLS 1140<br>WDS 0104 | Discussion |
| 0103 | Lisa Mar<br>MW 11:00am - 11:50am<br>W 10:00am - 10:50am | Seats (Total: 20)<br>PLS 1140<br>PLS 1162 | Discussion |
| 0104 | Lisa Mar<br>MW 11:00am - 11:50am<br>W 1:00pm - 1:50pm | Seats (Total: 20)<br>PLS 1140<br>WDS 1131 | Discussion |

**AAST233** **Introduction to Asian American Literature**

**AAST233 Introduction to Asian American Literature; (3 credits)** Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
*Also offered as: ENGL233. Credit only granted for: ENGL233, AAST233, or AAST298L. Formerly: AAST298L.* A survey of Asian American literature with an emphasis on recurrent themes and historical context.

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| 0101 | Lawrence-Minh Davis | Seats (Total: 30) |
| | TuTh 12:30pm - 1:45pm | COL 0101 |

**AAST398A** **Selected Topics in Asian American Studies; Vietnamese American Studies**

**AAST398A Selected Topics in Asian American Studies: Vietnamese American Studies; (3 credits)** Grade Method: REG/P-F/AUD.
The racial and ethnic formation of Vietnamese origin people in the Americas will be explored. Focus is placed on hitory, social and political representation, and the evolving characteristics of the Vietnamese American population in a diasporic context. Also Offered as HIST328D.

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| 0101 | Thu Khuc | Seats (Total: 35) |
| | TuTh 11:00am - 12:15pm | HJP 1125 |

**AAST398F** **Selected Topics in Asian American Studies; Experiential Learning/Independent Research in Asian American Studies**

**AAST398F Selected Topics in Asian American Studies: Experiential Learning/Independent Research in Asian American Studies; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to AAST Minors. Students are provided with first-hand experience working on key issues related to Asian American communities. They may opt to work with 1) an Asian American community organization as an intern or 2) with a faculty member on an independent research project.

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| 0101 | Janelle Wong | Seats (Total: 10) |
| | Tu 2:00pm - 4:30pm | COL 0102 |

**AAST398K** **Selected Topics in Asian American Studies; Filipino American Leadership and Community Organizing**

**AAST398K Selected Topics in Asian American Studies: Filipino American Leadership and Community Organizing; (3 credits)** Grade Method: REG/P-F/AUD. Explores leadership models and examples specific to the Filipino American experience and connects them to larger themes in leadership studies. It also explores these themes in relationship to Filipino communities and organizations.

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| 0101 | Jude Paul Dizon | Seats (Total: 20) |
| | Tu 3:30pm - 6:00pm | KEY 0121 |

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**AAST398L** **Selected Topics in Asian American Studies; Asian Americans in Film**

**AAST398L Selected Topics in Asian American Studies: Asian Americans in Film; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Asians and Asian Americans have long been subjects of the popular American cinematic imagination. Using the lenses of abjection and Orientalism, this class will consider the particular roles Asians and Asian Americans play in popular American cinema, specifically in relation to shifting formations of "America" and "American".

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| 0101 | Lawrence-Minh Davis | Seats (Total: 35) |
| | Th 3:30pm - 6:00pm | TWS 0207 |

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**AAST398P** **Asian Americans in Washington, D.C.**
**Contact department for information to register for this course.**

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**AAST424** **Sociology of Race Relations**

**AAST424 Sociology of Race Relations; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: 6 credits in SOCY courses; or permission of UGST-Undergraduate Studies. Restriction: Must not have completed SOCY424. Also offered as: SOCY424. Credit only granted for: AAST424 or SOCY424.* Analysis of race-related issues, with a primary focus on American society. The historical emergence, development, and institutionalization of racism; the impact of racism on its victims; and racially based conflict.

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| 0201 | Kris Marsh | Seats (Total: 25) |
| | TuTh 9:30am - 10:45am | ASY 3221 |

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**AAST498D** **Advanced Topics in Asian American Studies; Asian American Theatre**

**AAST498D Advanced Topics in Asian American Studies: Asian American Theatre; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Esther Lee | Seats (Total: 30) |
| | TuTh 2:00pm - 3:15pm | COL 0100 |

**AAST498J** **Advanced Topics in Asian American Studies; South Asian Diaspora**

**AAST498J Advanced Topics in Asian American Studies: South Asian Diaspora; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as HIST429D. This course examines the South Asian American Diaspora in its cultural context. It focuses on the historical roots of the Diaspora and the conditions under which South Asian Americans created homes for themselves in America, as well as present-day South Asian American Diasporic culture including popular culture, film, music, dance, art, theater and literature.

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| 0101 | Jyoti Mohan | Seats (Total: 30) |
| | Tu 4:00pm - 6:30pm | TWS 0221 |

**AAST498L** **Advanced Topics in Asian American Studies; Immigration and Ethinicity in the US**

**AAST498L Advanced Topics in Asian American Studies: Immigration and Ethinicity in the US; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as HIST466.

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| 0101 | Lisa Mar | Seats (Total: 30) |
| | MW 2:00pm - 3:15pm | HBK 0105 |

**AAST498M** **Advanced Topics in Asian American Studies; Asian American Public Policy**

**AAST498M Advanced Topics in Asian American Studies: Asian American Public Policy; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as AMST418N. This course is for Juniors or Seniors only. Prerequisite: AAST200/AMST298C or AAST201/HIST221. Using Asian Pacific Americans as a case study, the development of public policy in America will be analyzed. Each week, topics such as the movement to redress the wartime internment of Japanese Americans will serve as backdrops for discussion. Three highlights of the class will be a field trip to Annapolis, to see how policy is made; a visit to the Smithsonian, to see how memories of public policy debates are preserved; and oral history videotaping of APA community members that the students will do themselves.

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| 0101 | Philip Nash<br>M 5:00pm - 7:30pm | Seats (Total: 20)<br>TWS 1106 |

**AAST498O** **Advanced Topics in Asian American Studies; Asian American Health**

**AAST498O Advanced Topics in Asian American Studies: Asian American Health; (3 credits)** Grade Method: REG/P-F/AUD.
Students will learn about disparities in health and health care experienced by diverse Asian American and Pacific Islander populations; and examine the impact of culture, language, immigration, racism and assimilation on health. The capstone project will involve case studies of programs to address these disparities through research, community organizing, and public policy.

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| 0101 | Gemirald Daus<br>W 5:00pm - 7:30pm | Seats (Total: 25)<br>MMH 0108 |

**AAST498R** **Advanced Topics in Asian American Studies; Culture and Difference in the Global Economy**

**AAST498R Advanced Topics in Asian American Studies: Culture and Difference in the Global Economy; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as AMST498E. Credit will be granted for one of the followi ng: AAST498R or AMSt498E.

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| 0101 | Jan Padios<br>MW 2:00pm - 3:15pm | Seats (Total: 35)<br>HZF 0101 |

**AAST498V** **Advanced Topics in Asian American Studies; Asian Religions in American Culture**

**AAST498V Advanced Topics in Asian American Studies: Asian Religions in American Culture; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as AMST418L and RELS419L.

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| 0101 | John Caughey | Seats (Total: 35) |
| | TuTh 9:30am - 10:45am | HZF 0101 |

## AGNR Agriculture and Natural Resources Spring 2013

**AGNR301** **Sustainability**

**AGNR301 Sustainability; (3 credits)** Grade Method: REG/P-F/AUD.
*Also offered as: PUAF301. Credit only granted for: AGNR301 or PUAF301.* Designed for students whose academic majors would be enhanced by the complementary study of a widely shared but hard-to-operationalize aspiration: that present choices should preserve or improve future options rather than foreclose or degrade them. How should we understand sustainability? How might we achieve it? How would we know if we had achieved it? And how could sustainability activists of a rising generation lead by example?

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|---|---|---|
| 0101 | Cara Lynch | Seats (Total: 60) |
| | TuTh 3:30pm - 4:45pm | SYM 0200 |

**AGNR388** **Honors Thesis Research**

**AGNR388** *(PermReq)* **Honors Thesis Research; (3-6 credits)** Grade Method: REG.

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| 0101 | Leon Slaughter | Seats (Total: 20) |
| | Contact instructor or department for details. | |

**AGNR489** **Field Experience; Travel Study Seminar**

**AGNR489** *(PermReq)* **Field Experience: Travel Study Seminar; (1 credit)** Grade Method: REG/P-F/AUD.

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| 0101 | Leon Slaughter | Seats (Total: 2) |
| | Contact instructor or department for details. | |

## AMSC Applied Mathematics & Scientific Computation Spring 2013

**AMSC420** **Mathematical Modeling**

**AMSC420 Mathematical Modeling; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
*Prerequisite: MATH240 or MATH461; and (MATH241, MATH246, and STAT400); and permission of CMNS-Mathematics department. Also offered as: MATH420. Credit only granted for: AMSC420 or MATH420.* The course will develop skills in mathematical modeling through practical experience. Students will work in groups on specific projects involving real-life problems that are accessible to their existing mathematical backgrounds. In addition to the development of mathematical models, emphasis will be placed on the use of computational methods to investigate these models, and effective oral and written presentation of the results.

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| 0101 | Brian Hunt | Seats (Total: 25) |
| | MWF 11:00am - 11:50am | MTH 1313 |

**AMSC452** **Introduction to Dynamics and Chaos**

**AMSC452 Introduction to Dynamics and Chaos; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: MATH246 and MATH240. Also offered as: MATH452. Credit only granted for: AMSC452 or MATH452.* An introduction to mathematical dynamics and chaos. Orbits, bifurcations, Cantor sets and horseshoes, symbolic dynamics, fractal dimension, notions of stability, flows and chaos. Includes motivation and historical perspectives, as well as examples of fundamental maps studied in dynamics and applications of dynamics.

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| 0101 | Giovanni Forni | Seats (Total: 28) |
| | TuTh 9:30am - 10:45am | PHY 1219 |

**AMSC460** **Computational Methods**

**AMSC460** *(PermReq)* **Computational Methods; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: CMSC106, MATH240, and MATH241. Also offered as: CMSC460. Credit only granted for: AMSC460, CMSC460, AMSC466, or CMSC466.* Basic computational methods for interpolation, least squares, approximation, numerical quadrature, numerical solution of polynomial and transcendental equations, systems of linear equations and initial value problems for ordinary differential equations. Emphasis on methods and their computational properties rather than their analytic aspects. Intended primarily for students in the physical and engineering sciences.

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| 0101 | Ramani Duraiswami<br>TuTh 12:30pm - 1:45pm | Seats (Total: 40)<br>CSI 2107 |
| 0201 | Tobias von Petersdorff<br>TuTh 11:00am - 12:15pm | Seats (Total: 35)<br>MTH B0421 |

**AMSC466** **Introduction to Numerical Analysis I**

**AMSC466** *(PermReq)* **Introduction to Numerical Analysis I; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: CMSC106, MATH240, and MATH241. Also offered as: CMSC466. Credit only granted for: AMSC460, CMSC460, AMSC466, or CMSC466.* Floating point computations, direct methods for linear systems, interpolation, solution of nonlinear equations.

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| 0101 | Maria Cameron<br>TuTh 12:30pm - 1:45pm | Seats (Total: 28)<br>MTH B0427 |

**AMSC498A** **Selected Topics in Applied Mathematics**

**AMSC498A** *(PermReq)* **Selected Topics in Applied Mathematics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**AMSC612** **Numerical Methods in Partial Differential Equations**

**AMSC612 Numerical Methods in Partial Differential Equations; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Must have completed one graduate level course in partial differential equations OR one theoretical graduate level course in an applied mathematics field; or permission of instructor.* Finite difference methods for elliptic, parabolic, and hyperbolic partial differential equations. Additional topics such as spectral methods, variational methods for elliptic problems, stability theory for hyperbolic initial-boundary value problems, and solution methods for conservation laws.

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| 0101 | Ricardo Nochetto | Seats (Total: 20) |
| | TuTh 5:00pm - 6:15pm | MTH 1308 |

**AMSC661** **Scientific Computing II**

**AMSC661 Scientific Computing II; (3 credits)** Grade Method: REG.
*Prerequisite: Must have knowledge of C or Fortran. And AMSC460 or CMSC460; or (CMSC466 or AMSC466); or (must have knowledge of basic numerical analysis (linear equations, nonlinear equations, integration, interpolation); and permission of instructor). Also offered as: CMSC661. Credit only granted for: AMSC661 or CMSC661.* Fourier and wavelet transform methods, numerical methods for elliptic partial differential equations, numerical linear algebra for sparse matrices. Finite element methods, numerical methods for tiem dependent partia l differential equations. Techniques for scientific computation with an introduction to the theory and software for each topic. Course is part of a two course sequence (660 and 661), but can be taken independently.

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| 0101 | Doron Levy | Seats (Total: 30) |
| | TuTh 2:00pm - 3:15pm | MTH 0105 |

**AMSC664** **Advanced Scientific Computing II**

**AMSC664 Advanced Scientific Computing II; (3 credits)** Grade Method: REG.
*Prerequisite: AMSC663. Restriction: Permission of instructor. Also offered as: CMSC664. Credit only granted for: AMSC664 or CMSC664.* In the sequence AMSC 663, AMSC 664 students work on a year-long individual project to develop software for a scientific task in a high performance computing environment. Lectures will be given on code development and validation, parallel algorithms for partial differential equations, nonlinear systems, optimization.

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| 0101 | Kayo Ide<br>TuTh 5:15pm - 6:30pm | Seats (Total: 20)<br>CSI 4122 |

**AMSC667** **Numerical Analysis II**

**AMSC667 Numerical Analysis II; (3 credits)** Grade Method: REG/AUD. *Prerequisite: AMSC666 or CMSC666. Also offered as: CMSC667. Credit only granted for: AMSC667 or CMSC667.* Numerical solution of initial value problems, numerical solution of boundary value problems, iterative methods for linear systems of equations, numerical methods for eigenvalue problems.

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| 0101 | Charles Levermore<br>TuTh 2:00pm - 3:15pm | Seats (Total: 25)<br>MTH 0409 |

**AMSC671** **Ordinary Differential Equations II**

**AMSC671 Ordinary Differential Equations II; (3 credits)** Grade Method: REG/AUD. *Prerequisite: MATH630. And MATH670 or AMSC670; or students who have taken courses with comparable content may contact the department. Also offered as: MATH671. Credit only granted for: AMSC671 or MATH671.* The content of this course varies with the interests of the instructor and the class. Stability theory, control, time delay systems, Hamiltonian systems, bifurcation theory, and boundary value problems.

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| 0101 | Vadim Kaloshin<br>TuTh 12:30pm - 1:45pm | Seats (Total: 25)<br>MTH 0401 |

**AMSC674** **Partial Differential Equations II**

**AMSC674 Partial Differential Equations II; (3 credits)** Grade Method: REG/AUD. *Prerequisite: MATH673 or AMSC673; or permission of instructor. Also offered as: MATH674. Credit only granted for: AMSC674 or MATH674.* Boundary value problems for elliptic partial differential equations via operator-theoretic methods. Hilbert spaces of functions. Duality, weak convergence. Sobolev spaces. Spectral theory of compact operators. Eigenfunction expansions. Offered Spring only.

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| 0101 | Pierre-Emmanuel Jabin<br>TuTh 12:30pm - 1:45pm | Seats (Total: 20)<br>MTH 0411 |

**AMSC689** **Research Interactions in Applied Mathematics and Scientific Computation**

**AMSC689** *(PermReq)* **Research Interactions in Applied Mathematics and Scientific Computation; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**AMSC698A** **Advanced Topics in Applied Mathematics**

**AMSC698A Advanced Topics in Applied Mathematics; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**AMSC698D** **Advanced Topics in Applied Mathematics; Ramsey Theory and its 'Applications'**

**AMSC698D Advanced Topics in Applied Mathematics: Ramsey Theory and its 'Applications'; (3 credits)** Grade Method: REG/AUD.
Also offered as CMSC858R and MATH608R.

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| 0101 | William Gasarch | Seats (Total: 25) |
| | TuTh 2:00pm - 3:15pm | CSI 2118 |

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**AMSC698E** **Advanced Topics in Applied Mathematics; Numerical Methods for Mathematical Models Posed with Uncertainty**

**AMSC698E Advanced Topics in Applied Mathematics: Numerical Methods for Mathematical Models Posed with Uncertainty; (3 credits)** Grade Method: REG/AUD.
Also offered as CMSC878B. Credit will be granted for one of the followi ng: AMSC698E or CMSC878B

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| 0101 | Howard Elman | Seats (Total: 25) |
| | TuTh 9:30am - 10:45am | CSI 3118 |

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**AMSC698M** **Advanced Topics in Applied Mathematics; Market, Spatial, and Traffic Equilibrium Models in Project Management**

**AMSC698M Advanced Topics in Applied Mathematics: Market, Spatial, and Traffic Equilibrium Models in Project Management; (3 credits)** Grade Method: REG/AUD.
Also offered as ENCE722.

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| 0101 | Steven Gabriel<br>Tu 2:00pm - 4:30pm | Seats (Total: 30)<br>CSI 3118 |

**AMSC698T** **Advanced Topics in Applied Mathematics; Selected Algorithms and their Numerical Analysis**

**AMSC698T Advanced Topics in Applied Mathematics: Selected Algorithms and their Numerical Analysis; (1-4 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Eitan Tadmor<br>TuTh 2:00pm - 3:15pm | Seats (Total: 20)<br>CSI 4122 |

**AMSC760** **Applied Statistics Practicum**

**AMSC760** *(PermReq)* **Applied Statistics Practicum; (3 credits)** Grade Method: REG.
*Prerequisite: Must have completed one year of graduate study in Applied Statistics. Restriction: Must have project proposal approved by SAC coordinator.* A semester long applied applied statistical project (a minimum 10 hours per week or 120 hours in total), in an internship of collaborative research-laboratory setting working on a substantive applied quantitative project with significant statistical content.

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| 0101 | Instructor: TBA<br>Contact instructor or department for details. | Seats (Total: 10) |

**AMSC762** **Data Analysis Project**

**AMSC762** *(PermReq)* **Data Analysis Project; (1 credit)** Grade Method: REG. This course cannot be used to meet any of the Applied Statistics Area's seminar requirements. Offered yearly, required of and limited to MS non-thesis and doctoral students in Applied Statistics Area, for whom the resulting projects serve as a Qualifying Exam component. After 5-6 lectures or presentations on components of successful data analyses and write-ups, 3-4 sessions will discuss previous student project submissions. The culminating project, to be completed in a two week period between semesters, is an analysis and written report of one of three project choices made available each year to represent a spectrum of realistic applied statistical problems.

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| 0101 | Konstantina Trivisa | Seats (Total: 20) |
| | Contact instructor or department for details. | |
| | *Prerequisites: Oral and written communications skills are critical for he applied statistician. Limited to MS non-thesis and doctoral students in the Applied Statistics Area, for whom the resulting Projects serve as a Qualifying Exam component.* | |

**AMSC799** **Master's Thesis Research**

**AMSC799 Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**AMSC898** **Pre-Candidacy Research**

**AMSC898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**AMSC899** **Doctoral Dissertation Research**

**AMSC899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

## AMST American Studies Spring 2013

**AMST101** **Introduction American Studies**

Please Click here for more AMST course information.
**AMST101 Introduction American Studies; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
*Credit only granted for: AMST101 or AMST201. Formerly: AMST201.* Introduces students to the interdisciplinary field of American Studies by examining concepts such as culture, identity, cultural practices, and globalization, as well as theories underlying these concepts. Engages key themes, especially constructions of difference and identity, cultures of everyday life, and America and the world.

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| 0101 | Terrance Wooten<br>MWF 9:00am - 9:50am | Seats (Total: 25)<br>HZF 0106 |
| 0102 | Stephanie Stevenson<br>MWF 10:00am - 10:50am | Seats (Total: 25)<br>HZF 0106 |
| 0201 | Daniel Greene<br>TuTh 11:00am - 12:15pm | Seats (Total: 25)<br>HZF 0106 |
| 0202 | Ilyas Abukar<br>TuTh 8:00am - 9:15am | Seats (Total: 25)<br>KEY 0116 |

**AMST202** **Cultures of Everyday Life in America**

**AMST202 Cultures of Everyday Life in America; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.
Examine the structures and patterns of everyday life in the U.S., utilizing methods such as ethnography, oral history, survey research, and textual, visual, and material cultural analysis.

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| 0101 | Jennie Chaplin<br>TuTh 12:30pm - 1:45pm | Seats (Total: 25)<br>HJP 1125 |

**AMST204** **Film and American Culture Studies**

**AMST204 Film and American Culture Studies; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
Exploration of the American film from a historical perspective, illustrating the motion picture's role as an institutional phenomenon, as a form of communication, and as a source of cross-cultural study.

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| 0101 | Susan Pramschufer | Seats (Total: 30) |
| | TuTh 2:00pm - 3:15pm | HBK 0302H |
| | *This section will meet the Hornbake Non-Print Media room.* | |

**AMST207** **Contemporary American Cultures**

**AMST207 Contemporary American Cultures; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
World views, values, and social systems of contemporary American cultures explored through readings on selected groups such as middle-class suburbanites, old order Amish, and urban tramps.

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| 0101 | Darius Bost | Seats (Total: 25) |
| | MWF 11:00am - 11:50am | HZF 0106 |

**AMST212** **Diversity in American Culture**

**AMST212 Diversity in American Culture; (3 credits)** Grade Method: REG/P-F/AUD.
Exploration of the role of diversity in the shaping of American culture. Special emphasis will be placed on the multicultural origins of American popular and material culture, such as foodways and entertainment, and on the experience of "Americanization."

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| 0101 | Izetta Mobley | Seats (Total: 25) |
| | TuTh 11:00am - 12:15pm | HZF 0101 |

**AMST289A** **Shifting Sands: Constructing Cultural Mainstreams and Margins in the U.S.**

**AMST289A Shifting Sands: Constructing Cultural Mainstreams and Margins in the U.S.; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities; Diversity - Understanding Plural Societies; Signature Courses - I-Series.
Formerly: AMST298B.

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| 0101 | Douglas Ishii<br>MW 1:00pm - 1:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 20)<br>ASY 1213<br>HZF 0101 | Discussion |
| 0102 | Douglas Ishii<br>MW 1:00pm - 1:50pm<br>M 2:00pm - 2:50pm | Seats (Total: 20)<br>ASY 1213<br>HZF 0106 | Discussion |
| 0103 | Douglas Ishii<br>MW 1:00pm - 1:50pm<br>W 2:00pm - 2:50pm | Seats (Total: 20)<br>ASY 1213<br>HZF 0106 | Discussion |
| 0104 | Douglas Ishii<br>MW 1:00pm - 1:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 20)<br>ASY 1213<br>HZF 0101 | Discussion |

**AMST298C** **Introduction to Asian American Studies**

**AMST298C Introduction to Asian American Studies; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Also offered as AAST200.

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|---|---|---|
| 0101 | Julie Park<br>TuTh 2:00pm - 3:15pm | Seats (Total: 40)<br>ASY 2309 |

**AMST328N** **Perspectives on Identity and Culture; Introduction to Native American Cultures of the United States**

**AMST328N Perspectives on Identity and Culture: Introduction to Native American Cultures of the United States; (3 credits)** Grade Method: REG/P-F/AUD. Also offered as ANTH468F and RELS319N. Credit will be granted for only one of the following: AMST328N, ANTH468F or RELS319N.

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| 0101 | L Gordon<br>M 4:00pm - 6:40pm | Seats (Total: 35)<br>PLS 1113 |

**AMST328Y** **Perspectives on Identity and Culture; Advanced Study of Queer Latina/o Cultures: Migration and Sexuality**

**AMST328Y Perspectives on Identity and Culture: Advanced Study of Queer Latina/o Cultures: Migration and Sexuality; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as LGBT448M and USLT498Z.

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| 0101 | Christopher Perez<br>MW 2:00pm - 3:15pm | Seats (Total: 30)<br>SQH 1101 |

**AMST340** **Introduction to History, Theories and Methods in American Studies**

**AMST340 Introduction to History, Theories and Methods in American Studies; (3 credits)** Grade Method: REG.
*Prerequisite: Must have completed AMST201; and 2 courses in AMST. Restriction: Must be in American Studies program; and sophomore standing or higher.*
Introduction to the process of interdisciplinary research, including research literatures, questions, first-hand sources and library and analytic methods in American Studies. Each student will craft a prospectus for original research.

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| 0101 | Robert Chester<br>TuTh 12:30pm - 1:45pm | Seats (Total: 25)<br>HZF 1108 |

**AMST386** **Experiential Learning**

**AMST386** *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG.
*Restriction: Permission of ARHU-American Studies department; and junior standing or higher.* Faculty mentored independent learning. Online interaction using Blackboard required.

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|---|---|---|
| 0101 | John Caughey<br>Contact instructor or department for details. | Seats (Total: 10) |
| 0601 | Jo Paoletti<br>Contact instructor or department for details. | Seats (Total: 10) |

**AMST388** **Honors Thesis**

**AMST388** *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**AMST398** **Independent Studies**

**AMST398** *(PermReq)* **Independent Studies; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**AMST418D** **Cultural Themes in America; Growing Up American**

**AMST418D Cultural Themes in America: Growing Up American; (3 credits)** Grade Method: REG/P-F/AUD.

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| SG91 | R Kelly | Seats (Total: 40) |
| | Class time/details on ELMs | ONLINE |
| | *Restricted to Fall 2012 BMGT-Shady Grove cohort students majoring in Accounting, International Business, Marketing and to Fall 2011 BMGT-Shady Grove cohort students majoring in Management. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students ae not eligible to enroll at Shady Grove.* | |

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**AMST418E** **Cultural Themes in America; Digital Media and Everyday Life**

**AMST418E Cultural Themes in America: Digital Media and Everyday Life; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: At least three credit hours of prior coursework in American Studies.

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| 0101 | Jason Farman | Seats (Total: 35) |
| | TuTh 9:30am - 10:45am | SYM 0215 |

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**AMST418H** **Cultural Themes in America; Cultural Themes in America-Honors**

**AMST418H** *(PermReq)* **Cultural Themes in America: Cultural Themes in America-Honors; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: At least three credit hours of prior coursework in American Studies.

**Contact department for information to register for this course.**

**AMST418L** **Cultural Themes in America; Asian Religions in American Culture**

**AMST418L Cultural Themes in America: Asian Religions in American Culture; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: At least three credit hours of prior coursework in AMST. Also offered as AAST498V and RELS419L.

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|---|---|---|
| 0101 | John Caughey<br>TuTh 9:30am - 10:45am | Seats (Total: 35)<br>HZF 0101 |

**AMST418N** **Cultural Themes in America; Asian American Public Policy**

**AMST418N Cultural Themes in America: Asian American Public Policy; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as AAST498N. This course is for Juniors or Seniors only. Prerequisite: AAST200/AMST298C or AAST201/HIST221.

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| 0101 | Philip Nash<br>M 5:00pm - 7:30pm | Seats (Total: 20)<br>TWS 1106 |

**AMST429J** **Perspectives on Popular Culture; Social Activism and Popular Culture**

**AMST429J** *(PermReq)* **Perspectives on Popular Culture: Social Activism and Popular Culture; (3 credits)** Grade Method: REG/P-F/AUD.

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| BL01 | Sheri Parks<br>W 2:00pm - 4:30pm<br>Class time/details on ELMs | Seats (Total: 15)<br>KEY 1102J<br>ONLINE |

*This is a blended learning course covering topics related to social activism and popular culture both online and in the classroom. It is the first semester of the College of Arts and Humanities Social Innovation Scholars program taken in the spring, in which they will learn about social innovation and the public discourse and be paired with a mentor from a non-profit organization. There is also a summer internship and a fall course in which they will implement their innovation. Participation is by application and permission only. To enroll, students must contact the ARHU advising office in 1120 Francis Scott Key, x5-2108. AMST majors are eligible for ARHU439J only.*

**AMST432** **Literature and American Society**

**AMST432 Literature and American Society; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Must have completed 1 course in American Literature or 1 course in American History; or 1 course in SOCY; or 1 course in AMST.* Examination of the relationship between literature and society: including literature as cultural communication and the institutional framework governing its production, distribution, conservation and evaluation.

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| 0101 | R Kelly<br>Class time/details on ELMs | Seats (Total: 35)<br>ONLINE |

**AMST450** **Seminar in American Studies**

**AMST450** *(PermReq)* **Seminar in American Studies; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
*Prerequisite: AMST201 and AMST340; and 1 course in AMST. Restriction: Senior standing; and must be in American Studies program.* Developments in theories and methods of American Studies scholarship, with emphasis upon interaction between the humanities and the social sciences in the process of cultural analysis and evaluation.

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|---|---|---|
| 0101 | Jo Paoletti<br>MW 10:00am - 11:15am | Seats (Total: 20)<br>HZF 1108 |
| 0201 | Jo Paoletti<br>MW 2:00pm - 3:15pm | Seats (Total: 20)<br>HZF 1108 |

**AMST498E** **Special Topics in American Studies; Culture and Difference in the Global Economy**

**AMST498E Special Topics in American Studies: Culture and Difference in the Global Economy; (3 credits)** Grade Method: REG.
Prerequisite: At least three credit hours of prior coursework in AMST. Also offered as AAST498R. Credit will be granted for one of the followi ng: AAST498R or AMST498E.

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| 0101 | Jan Padios<br>MW 2:00pm - 3:15pm | Seats (Total: 35)<br>HZF 0101 |

**AMST498K** **Special Topics in American Studies; Indigenous Thought in the Americas**

**AMST498K Special Topics in American Studies: Indigenous Thought in the Americas; (3 credits)** Grade Method: REG.
Prerequisite: At least three credit hours of prior coursework in AMST. Also offered as RELS419B.

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|---|---|---|
| 0101 | James Maffie | Seats (Total: 35) |
| | TuTh 11:00am - 12:15pm | JMP 1109 |

**AMST498M** **Special Topics in American Studies; Latinas/os and U.S. Popular Culture**

**AMST498M Special Topics in American Studies: Latinas/os and U.S. Popular Culture; (3 credits)** Grade Method: REG.
Also offered as USLT498B. Prerequisite: At least three credit hours of prior coursework in AMST.

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|---|---|---|
| 0101 | Robert Chester | Seats (Total: 35) |
| | TuTh 2:00pm - 3:15pm | HBK 0105 |

**AMST498O** **Special Topics in American Studies; The Diversifying U.S.: Globalization, Immigrants, Migrants, and Refugees**

**AMST498O Special Topics in American Studies: The Diversifying U.S.: Globalization, Immigrants, Migrants, and Refugees; (3 credits)** Grade Method: REG.
Prerequisite statement: At least three credit hours of prior coursework in AMST.

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| 0101 | Perla Guerrero | Seats (Total: 35) |
| | TuTh 12:30pm - 1:45pm | HZF 0106 |

**AMST498V** **Special Topics in American Studies; Sex and the City**

**AMST498V Special Topics in American Studies: Sex and the City; (3 credits)** Grade Method: REG.
Also offered as LGBT448C. Prerequisite: 3 Credits of prior coursework in AMST.

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| 0101 | Christina Hanhardt | Seats (Total: 30) |
| | TuTh 2:00pm - 3:15pm | CHM 1228 |

**AMST498X** **Special Topics in American Studies; Social and Ethnic Issues in Historic Preservation Practice**

**AMST498X Special Topics in American Studies: Social and Ethnic Issues in Historic Preservation Practice; (3 credits)** Grade Method: REG.
Prerequisite: At least three credit hours of prior coursework in American Studies.

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| 0101 | Mary Sies<br>Th 7:00pm - 9:40pm | Seats (Total: 10)<br>HZF 1108 |

**AMST603** **Current Approaches to American Studies**

**AMST603 Current Approaches to American Studies; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in one of the following programs (American Studies (Master's); American Studies (Doctoral)) . Or permission of ARHU-American Studies department; and permission of instructor.* Builds on AMST601 and explores contemporary literature, theory, and intellectual issues in American Studies.

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|---|---|---|
| 0101 | Mary Sies<br>Tu 4:00pm - 6:40pm | Seats (Total: 15)<br>HZF 1108 |

**AMST628O** **Seminar in American Studies; Performance and Culture**

**AMST628O Seminar in American Studies: Performance and Culture; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Jeffrey McCune Jr.<br>W 4:00pm - 6:40pm | Seats (Total: 15)<br>HZF 1108 |

**AMST629C** **Seminar in American Studies; Social and Ethnic Issues in Historic Preservation Practice**

**AMST629C Seminar in American Studies: Social and Ethnic Issues in Historic Preservation Practice; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Mary Sies<br>Th 7:00pm - 9:40pm | Seats (Total: 10)<br>HZF 1108 |

**AMST629T** **Seminar in American Studies; Body, Sexuality, and Society**

**AMST629T Seminar in American Studies: Body, Sexuality, and Society; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Nancy Struna | Seats (Total: 15) |
| | M 4:00pm - 6:40pm | HZF 1108 |

**AMST629W** **Seminar in American Studies; Comparative History of Crime and Punishment, England, France, and America 1550-Present**

**AMST629W Seminar in American Studies: Comparative History of Crime and Punishment, England, France, and America 1550-Present; (3 credits)** Grade Method: REG/AUD.
Also offered as HIST639W.

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|---|---|---|
| 0101 | Holly Brewer | Seats (Total: 12) |
| | Th 3:30pm - 6:00pm | TLF 2103 |

**AMST629Z** **Seminar in American Studies; History of Investigative Journalism**

**AMST629Z Seminar in American Studies: History of Investigative Journalism; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Mark Feldstein | Seats (Total: 10) |
| | M 9:00am - 11:45am | KNI 2109 |

**AMST655** **Introduction to Museum Scholarship**

**AMST655 Introduction to Museum Scholarship; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in one of the following programs (Anthropology (Master's); American Studies (Master's); History (Master's); American Studies (Doctoral); Historic Preservation (Master's); Anthropology (Doctoral); History (Doctoral)) ; or permission of ARHU-American Studies department. Also offered as: HIST610. Credit only granted for: AMST655 or HIST610.* Provides students a basic understanding of museums as cultural and intellectual institutions. Topics include the historical development of museums, museums as resources for scholarly study, and the museum exhibition as medium for presentation of scholarship. Meets in the Smithsonian Institution Library Conference room on the ground floor of the National Museum of Natural History near the 10th Street NW and Constitution Avenue entrance. The first class session will meet at the information desk.

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|---|---|---|
| 0101 | Marvette Perez, Ellen Hughes<br>M 4:30pm - 7:10pm | Seats (Total: 15)<br>Location: TBA |

**AMST698** **Directed Readings in American Studies**

**AMST698** *(PermReq)* **Directed Readings in American Studies; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**AMST798** **Non-Thesis Research**

**AMST798 Non-Thesis Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**AMST799** **Master's Thesis Research**

**AMST799 Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**AMST857** **Museum Scholarship Practicum**

**AMST857** *(PermReq)* **Museum Scholarship Practicum; (3-6 credits)** Grade Method: REG.
*Prerequisite: AMST856; and permission of Museum Scholarship Program required. Also offered as: HIST811. Credit only granted for: AMST857 or HIST811.* Students devise and carry out a research program using the collections at the Smithsonian Institution or some other cooperating museum, working under joint supervision of a museum professional and a university faculty member.

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| 0401 | Mary Sies<br>Contact instructor or department for details. | Seats (Total: 2) |

**AMST898** **Pre-Candidacy Research**

**AMST898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**AMST899** **Doctoral Dissertation Research**

**AMST899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

## ANSC Animal Science Spring 2013

**ANSC212** **Applied Animal Physiology**

**ANSC212 Applied Animal Physiology; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: ANSC211; or students who have taken courses with comparable content may contact the department.* The physiology of domesticated animals with emphasis on functions related to homeostasis, and the physiological adaptation to environmental influences. The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

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|---|---|---|---|
| 0101 | Edward Orlando, Zhengguo Xiao | Seats (Total: 80) | |
| | MWF 1:00pm - 1:50pm | ANS 0408 | |

**ANSC214** **Applied Animal Physiology Laboratory**

**ANSC214 Applied Animal Physiology Laboratory; (1 credit)** Grade Method: REG/P-F/AUD.
*Prerequisite: Must have completed or be concurrently enrolled in ANSC212.*
Application of physiological laboratory techniques to domestic and lab animals. Students must pay a $50.00 laboratory materials fee.

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|---|---|---|---|
| 0101 | Edward Orlando, Zhengguo Xiao | Seats (Total: 24) | |
| | M 2:00pm - 5:00pm | ANS 0108 | Lab |

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|---|---|---|---|
| 0102 | Edward Orlando, Zhengguo Xiao<br>W 2:00pm - 5:00pm | Seats (Total: 24)<br>ANS 0108 | Lab |
| 0103 | Zhengguo Xiao, Edward Orlando<br>F 2:00pm - 5:00pm | Seats (Total: 24)<br>ANS 0108 | Lab |

**ANSC232** **Horse Management**

**ANSC232 Horse Management; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ANSC101 and ANSC103. Credit only granted for: ANSC232 or ANSC332. Formerly: ANSC332.* An introductory course on the care, management, and use of horses. Major topics include the industry, breeds, conformation, feeding, health, reproduction, facilities and business. Students must pay a $50.00 laboratory materials fee.

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| 0101 | Amy Burk<br>MW 11:00am - 11:50am<br>F 9:00am - 11:00am | Seats (Total: 20)<br>ANS 0408<br>ANS 0412 | Lab |
| 0102 | Amy Burk<br>MW 11:00am - 11:50am<br>F 2:00pm - 4:00pm | Seats (Total: 20)<br>ANS 0408<br>ANS 0412 | Lab |

**ANSC235** **Applied Small Ruminant Parturition**

**ANSC235** *(PermReq)* **Applied Small Ruminant Parturition; (2 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in ANSC101 and ANSC103; and permission of AGNR-Animal & Avian Sciences department.* Popularly known as "Lamb Watch", the course provides an immersion environment for learning and understanding pre- and post-natal care of ewes and lambs through direct, hands-on involvement in the birthing process and care of the neonate through weaning. Covered topics include zoonoses, basic reproductive physiology of the sheep, normal and abnormal delivery, management of lambs, qualitative assessment, breeding principles, etc. Students must pay a $50.00 laboratory materials fee.

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| 0101 | Sarah Balcom<br>Tu 8:00am - 8:50am<br>M 2:00pm - 3:30pm | Seats (Total: 16)<br>ANS 0408<br>Location: TBA | Lab |

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|---|---|---|---|
| 0102 | Sarah Balcom<br>Tu 8:00am - 8:50am<br>Th 2:00pm - 3:30pm | Seats (Total: 16)<br>ANS 0408<br>Location: TBA | Lab |

**ANSC236** **Equine Business Management**

**ANSC236 Equine Business Management; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ANSC232. Recommended: AREC250. Credit only granted for: ANSC236 or INAG232.* The study and practice of applying decision-making skills and tools needed for operating a profitable equine boarding or training stable business.

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| 0101 | R Apter<br>TuTh 11:00am - 12:15pm | Seats (Total: 20)<br>ANS 0412 |

**ANSC237** **Equine Reproduction**

**ANSC237 Equine Reproduction; (2 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ANSC232. Credit only granted for: ANSC237 or INAG233.* Students learn the fundamental skills necessary to manage equine reproductive services including anatomy and physiology of genital tracts, estrus detection, control of cycle, survey of reproductive techniques, infertility, mare, foal and stallion management, and equine genetics. One or two weekend laboratory sessions will be required. Students must pay a $50.00 laboratory materials fee.

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| 0101 | R Apter<br>TuTh 2:00pm - 2:50pm | Seats (Total: 16)<br>ANS 1144 |

**ANSC250** **Companion Animal Care and Management**

**ANSC250 Companion Animal Care and Management; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
*Prerequisite: BSCI105. Credit only granted for: ANSC250 and ANSC305. Formerly: ANSC305.* Care and management of the companion small animals. Species covered include the cat, dog, rodents, lagomorphs, reptiles, amphibians, birds and others as class interest and schedule dictate. Basic description, evolutionary development, breeding, nutritional and environmental requirements, and public health aspects will be presented for each species.

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|---|---|---|---|
| 0101 | Sarah Balcom<br>MWF 10:00am - 10:50am | Seats (Total: 50)<br>ANS 0408 | |

**ANSC260** **Laboratory Animal Management**

**ANSC260 Laboratory Animal Management; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ANSC101 and ANSC103. Credit only granted for: ANSC260 or ANSC413. Formerly: ANSC413.* A comprehensive course in care and management of laboratory animals. Topics covered include regulations governing the use of animals in research, laboratory animal facility design and management, animal research models, animal health management and husbandry, responsibilities of lab animal workers and career opportunities in the field. Hands-on labs focus on lab animal handling, husbandry and common techniques. Field trips are required, and you must attend a minimum number of field trips which will be held during lab time. Students must pay a $50.00 laboratory materials fee.

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| 0101 | Angela Black<br>MW 10:00am - 10:50am<br>F 8:00am - 12:00pm | Seats (Total: 20)<br>ANS 0412<br>Location: TBA | <br><br>Lab |

**ANSC315** **Applied Animal Nutrition**

**ANSC315 Applied Animal Nutrition; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ANSC314.* Elements of nutrition, source characteristics and adaptability of various feedstuffs to several classes of livestock. A study of the composition of feeds, nutrient requirements and computerized formulation of economic diets and rations for livestock. Students must pay a $50.00 laboratory materials fee.

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| 0101 | Richard Erdman<br>TuTh 12:30pm - 1:45pm<br>Th 8:00am - 8:50am | Seats (Total: 20)<br>ANS 0408<br>ANS 0473 | <br><br>Discussion |
| 0102 | Richard Erdman<br>TuTh 12:30pm - 1:45pm<br>Th 9:00am - 9:50am | Seats (Total: 20)<br>ANS 0408<br>ANS 0473 | <br><br>Discussion |
| 0103 | Richard Erdman<br>TuTh 12:30pm - 1:45pm<br>W 9:00am - 9:50am | Seats (Total: 20)<br>ANS 0408<br>ANS 0473 | <br><br>Discussion |

**ANSC327** **Molecular and Quantitative Animal Genetics**

**ANSC327 Molecular and Quantitative Animal Genetics; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ANSC101, CHEM131, ANSC103, and BSCI105.* Classical, molecular, and population genetics with specific emphasis on animal systems will be covered. Also, disseminate information on molecular approaches for manipulating genetics at the whole animal level (transgenic and cloning). Other model organisms will be discussed to provide a conceptual framework.

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| 0101 | Iqbal Hamza, Jiuzhou Song | Seats (Total: 70) |
| | TuTh 11:00am - 12:15pm | ANS 0408 |

**ANSC340** **Health Management of Animal Populations**

**ANSC340 Health Management of Animal Populations; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
*Prerequisite: ANSC212. Recommended: BSCI223. Credit only granted for: ANSC340 or ANSC412. Formerly: ANSC412.* A study of common and emerging animal diseases and their prevention and control. The main focus will be on livestock and poultry diseases. However, zoonotic, wildlife, and laboratory animal diseases will also be discussed along with risk assessment, bioterrorism counter-measures, and animal welfare, especially as these topics interface or impact animals used in food production.

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| 0101 | Sarah Balcom | Seats (Total: 45) |
| | TuTh 9:30am - 10:45am | ANS 0408 |

**ANSC386** **Experiential Learning**

**ANSC386** *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: Permission of AGNR-Animal & Avian Sciences department. Restriction: Junior standing or higher.*

**Contact department for information to register for this course.**

**ANSC388** **Honors Thesis Research**

**ANSC388** *(PermReq)* **Honors Thesis Research; (3-6 credits)** Grade Method: REG.

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| 4501 | Instructor: TBA | Seats (Total: 5) |
| | Contact instructor or department for details. | |

**ANSC399** **Special Problems in Animal Science**

**ANSC399** *(PermReq)* **Special Problems in Animal Science; (1-2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ANSC420** **Critical Thinking in Animal Science**

**ANSC420 Critical Thinking in Animal Science; (3 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
*Prerequisite: ANSC314. Recommended: AREC306 and AREC250. Restriction: Junior standing or higher.* Employ methods to systematically solve selected problems that typically arise on farms or allied businesses related to animal enterprises.

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| 0101 | Amy Burk, Robert Peters | Seats (Total: 20) |
| | W 1:00pm - 5:00pm | ANS 0412 |

**ANSC435** **Experimental Embryology**

**ANSC435 Experimental Embryology; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ANSC212. Recommended: Completion of one course in reproductive physiology is recommended. Credit only granted for: ANSC435 or ANSC489M. Formerly: ANSC489M.* Experimental approaches to mammalian embryology with emphasis on domestic livestock systems as applied to research and production systems. Lab will include hands-on experiments and demos of in vitro embryo production, embryo splitting, cell injection and nuclear transfer. Students must pay a $50.00 laboratory materials fee.

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|---|---|---|---|
| 0101 | Carol Keefer | Seats (Total: 20) | |
| | Tu 2:00pm - 3:15pm | ANS 0108 | |
| | Th 2:00pm - 5:00pm | ANS 0108 | Lab |

**ANSC444** **Domestic Animal Endocrinology**

**ANSC444 Domestic Animal Endocrinology; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ANSC212; or permission of instructor. Restriction: Must not have completed ANSC644. Credit only granted for: ANSC489I, ANSC444, or ANSC644. Formerly: ANSC489I.* Current developments in endocrinology as it relates to animals used in the production of food and other products important to the well being of humans will be covered.

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| 0101 | R Apter | Seats (Total: 60) |
| | MWF 2:00pm - 2:50pm | ANS 0402 |

**ANSC452** **Avian Physiology**

**ANSC452 Avian Physiology; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ANSC212. Restriction: Junior standing or higher.* The digestive, excretory, respiratory, circulatory, immune, skeletal muscle, endocrine and nervous systems of avian species will be examined.

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| 0101 | Nickolas Zimmermann | Seats (Total: 20) |
| | TuTh 2:00pm - 3:15pm | ANS 0402 |

**ANSC453** **Animal Welfare and Bioethics**

**ANSC453 Animal Welfare and Bioethics; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ANSC101 and ANSC103; or BSCI106; or permission of instructor. Restriction: Junior standing or higher.* Ethical concerns related to the use of animals in modern society. Historical and philosophical overview of animal welfare and bioethics. Applied ethical discussions on human/animal interrelationships, physical and genetic manipulation, and other current issues associated with the treatment of animals used in food production, research, zoos, and as pets.

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| 0101 | William Stricklin, Kim Drnec | Seats (Total: 65) |
| | MW 4:00pm - 5:15pm | SYM 0200 |

**ANSC489** **Current Topics in Animal Science**

**ANSC489 Current Topics in Animal Science; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**ANSC489O** **Current Topics in Animal Science; Nutritional Aspects of Metabolic Disease**

**ANSC489O Current Topics in Animal Science: Nutritional Aspects of Metabolic Disease; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: BCHM463 or equivalent. Biochemical and physiological fundamentals of nutrition. Discussion of protein, fat, carbohydrate, energy, minerals, and vitamins and their roles and interrelationships in nutrition, metabolism, and diseases in humans and animals. The course will use recommended texts for foundation.

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|---|---|---|
| 0101 | Byung-Eun Kim | Seats (Total: 10) |
| | TuTh 11:00am - 12:15pm | ANS 0402 |

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**ANSC489Q** **Current Topics in Animal Science; Advance Animal Biotechnolog: Perspectives from Current Literature**

**ANSC489Q Current Topics in Animal Science: Advance Animal Biotechnolog: Perspectives from Current Literature; (3 credits)** Grade Method: REG/P-F/AUD.
Lectures and discussions will illustrate current advances in Animal transgenesis and biotechnology. There will be a strong focus on comparitive invertebrate and vertevrate animal transgenesis with model organisms ranging from lower invertebrates (C. elegans, D. melanogaster) to mice and large animals. Additionally, special topics like Stem Cell Biology will also be covered. ANSC327; recommended ANSC437 and ANSC497.

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| 0101 | Bhanu Telugu | Seats (Total: 10) |
| | TuTh 12:30pm - 1:45pm | ANS 0402 |

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**ANSC489R** **Current Topics in Animal Science; Zoonotic Diseases and Control**

**ANSC489R Current Topics in Animal Science: Zoonotic Diseases and Control; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: BSCI223; recommended NFSC430; or permission of instructor.
Lectures will take a global perspective of foodborne diseases common to animals and man, specifically those caused by farm animal-originated human pathogens (zoonoses) and their control. A selection of important zoonoses and food safety issues will be specifically covered with an emphasis on the principles of zoonotic disease transmission and control, risk factors to humans, and surveillance mehtods.

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|---|---|---|
| 0101 | Debabrata Biswas | Seats (Total: 20) |
| | TuTh 9:30am - 10:45am | ANS 0412 |

**ANSC627** **Molecular and Quantitative Genetics**

**ANSC627 Molecular and Quantitative Genetics; (3 credits)** Grade Method: REG/AUD.
Classical, molecular, and population genetics with specific emphasis on animal systems will be covered. Also, disseminate information on molecular approaches for manipulating genetics at the whole animal level (transgenic and cloning). Other model organisms will be discussed to provide a conceptual framework.

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| 0101 | Iqbal Hamza, Jiuzhou Song | Seats (Total: 10) |
| | TuTh 11:00am - 12:15pm | ANS 0408 |

**ANSC660** **Poultry Literature**

**ANSC660 Poultry Literature; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number. Readings on individual topics are assigned. Written reports required. Methods of analysis and presentation of scientific material are discussed.

**Contact department for information to register for this course.**

**ANSC688A** **Special Topics; Advance Animal Biotechnology: Perspectives from Current Literature**

**ANSC688A Special Topics: Advance Animal Biotechnology: Perspectives from Current Literature; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Bhanu Telugu | Seats (Total: 10) |
| | TuTh 12:30pm - 1:45pm | ANS 0402 |

**ANSC688J** **Special Topics; Zoonotic Diseases and Control**

**ANSC688J Special Topics: Zoonotic Diseases and Control; (3 credits)** Grade Method: REG/AUD.
Prerequisites: BSCI223; recommended NFSC430; or permission of instructor.
Lectures will take a global perspective of foodborne diseases common to animals and man, specifically those caused by farm animal-originated human pathogens (zoonoses) and their control. A selection of important zoonoses and food safety issues will be specifically covered with an emphasis on the principles of zoonotic disease transmission and control, risk factors to humans, and surveillance mehtods.

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|---|---|---|
| 0101 | Debabrata Biswas | Seats (Total: 10) |
| | TuTh 9:30am - 10:45am | ANS 0412 |

**ANSC688O** **Special Topics; Nutritional Aspects of Metabolic Disease**

**ANSC688O Special Topics: Nutritional Aspects of Metabolic Disease; (3 credits)** Grade Method: REG/AUD.
Prequisite: BCHM463 or equivalent. Biochemical and physiological fundamentals of nutrition. Discussion of protein, fat, carbohydrate, energy, minerals, and vitamins and their roles and interrelationships in nutrition, metabolism, and diseases in humans and animals. The course will use recommended texts for foundation.

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|---|---|---|
| 0101 | Byung-Eun Kim | Seats (Total: 10) |
| | TuTh 11:00am - 12:15pm | ANS 0402 |

**ANSC688Q** **Special Topics; Sustainable Aquaculture**

**ANSC688Q Special Topics: Sustainable Aquaculture; (3 credits)** Grade Method: REG/AUD.
Also offered as ANSC688Q. Taught at College Park and on the Interactive Video Network.

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| 0101 | L Woods | Seats (Total: 20) |
| | TuTh 12:00pm - 1:30pm | HJP 1213C |

**ANSC688W** **Special Topics; Advanced Animal Welfare**

**ANSC688W Special Topics: Advanced Animal Welfare; (1-4 credits)** Grade Method: REG/AUD.

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| 0101 | William Stricklin | Seats (Total: 6) |
| | MW 4:00pm - 5:15pm | SYM 0200 |

**ANSC698C** **Seminar; Recent Advances in Animal and Avian Sciences**

**ANSC698C Seminar: Recent Advances in Animal and Avian Sciences; (1 credit)** Grade Method: REG/AUD.

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| 0101 | Nickolas Zimmermann | Seats (Total: 30) |
| | Tu 3:30pm - 5:30pm | ANS 0408 |

**ANSC699** **Special Problems in Animal Science**

**ANSC699** *(PermReq)* **Special Problems in Animal Science; (1-2 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ANSC799** **Master's Thesis Research**

**ANSC799 Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ANSC898** **Pre-Candidacy Research**

**ANSC898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ANSC899** **Doctoral Dissertation Research**

**ANSC899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# ANTH Anthropology Spring 2013

**ANTH220** **Introduction to Biological Anthropology**

**ANTH220 Introduction to Biological Anthropology; (4 credits)** Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Natural Science Lab; Diversity - Understanding Plural Societies.

Human biological evolution, including the biology of contemporary human groups, non-human primate social behavior, and the fossil, biochemical, and molecular evidence for human evolution. Includes a laboratory study of human population genetics, biochemical variation, and anatomical diversity in modern and fossil human and non-human primate groups. Students must pay a $30.00 laboratory materials fee.

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| 0101 | Tanya Icaza<br>TuTh 9:30am - 10:45am<br>M 8:00am - 10:00am | Seats (Total: 20)<br>SQH 1119<br>WDS 0124C | Lab |
| 0102 | Tanya Icaza<br>TuTh 9:30am - 10:45am<br>M 11:00am - 1:00pm | Seats (Total: 20)<br>SQH 1119<br>WDS 0124C | Lab |
| 0103 | Tanya Icaza<br>TuTh 9:30am - 10:45am<br>M 2:00pm - 4:00pm | Seats (Total: 20)<br>SQH 1119<br>WDS 0124C | Lab |
| 0201 | Jeremy Trombley<br>TuTh 11:00am - 12:15pm<br>W 8:00am - 10:00am | Seats (Total: 20)<br>SQH 1119<br>WDS 0124C | Lab |
| 0202 | Jeremy Trombley<br>TuTh 11:00am - 12:15pm<br>W 11:00am - 1:00pm | Seats (Total: 20)<br>SQH 1119<br>WDS 0124C | Lab |
| 0203 | Jeremy Trombley<br>TuTh 11:00am - 12:15pm<br>W 2:00pm - 4:00pm | Seats (Total: 20)<br>SQH 1119<br>WDS 0124C | Lab |

**ANTH240** **Introduction to Archaeology**

**ANTH240 Introduction to Archaeology; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Exploration of the variety of past human societies and cultures through archaeology, from the emergence of anatomically modern humans to the more recent historical past.

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| 0101 | Stephen Brighton<br>TuTh 2:00pm - 2:50pm<br>F 9:00am - 9:50am | Seats (Total: 25)<br>SHM 2102<br>WDS 1130 | Discussion |
| 0102 | Stephen Brighton<br>TuTh 2:00pm - 2:50pm<br>F 11:00am - 11:50am | Seats (Total: 25)<br>SHM 2102<br>WDS 1114 | Discussion |
| 0103 | Stephen Brighton<br>TuTh 2:00pm - 2:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 25)<br>SHM 2102<br>WDS 1114 | Discussion |
| 0201 | Kathryn Deeley<br>MWF 10:00am - 10:50am | Seats (Total: 35)<br>WDS 1114 | |
| 0401 | Mark Leone<br>MWF 11:00am - 11:50am | Seats (Total: 40)<br>PLS 1130 | |

**ANTH260** **Introduction to Sociocultural Anthropology and Linguistics**

**ANTH260 Introduction to Sociocultural Anthropology and Linguistics; (3 credits)** Grade Method: REG/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.
Culture and social relationships in a wide variety of settings from small-scale to complex societies. An overview of how anthropology analyzes human behavior. Particular attention to the relationship between language and culture.

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| 0101 | Elijah Edelman<br>MW 1:00pm - 1:50pm<br>F 9:00am - 9:50am | Seats (Total: 20)<br>MMH 1400<br>WDS 1127 | Discussion |

| | | | |
|---|---|---|---|
| 0102 | Elijah Edelman<br>MW 1:00pm - 1:50pm<br>F 10:00am - 10:50am | Seats (Total: 20)<br>MMH 1400<br>KEY 0103 | Discussion |
| 0103 | Elijah Edelman<br>MW 1:00pm - 1:50pm<br>F 11:00am - 11:50am | Seats (Total: 20)<br>MMH 1400<br>TYD 0111 | Discussion |
| 0104 | Elijah Edelman<br>MW 1:00pm - 1:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 20)<br>MMH 1400<br>WDS 0104 | Discussion |
| 0105 | Elijah Edelman<br>MW 1:00pm - 1:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 20)<br>MMH 1400<br>WDS 0104 | Discussion |
| 0106 | Elijah Edelman<br>MW 1:00pm - 1:50pm<br>F 2:00pm - 2:50pm | Seats (Total: 20)<br>MMH 1400<br>WDS 0104 | Discussion |

**ANTH265** **Anthropology of Global Health**

**ANTH265 Anthropology of Global Health; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies; Signature Courses - I-Series.
An overview of the growing field of global health including health care systems, medical practices, ideas about illness in cross-cultural contexts, issues of health development, global health inequity, and human rights issues. The course will focus on the history of global health, the critique of major international health agencies and their development paradigms, and the political economy of social inequalities and health.

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|---|---|---|---|
| 0101 | Thurka Sangaramoorthy<br>MW 12:00pm - 12:50pm<br>F 9:00am - 9:50am | Seats (Total: 20)<br>WDS 1114<br>PLS 1158 | Discussion |
| 0102 | Thurka Sangaramoorthy<br>MW 12:00pm - 12:50pm<br>F 11:00am - 11:50am | Seats (Total: 20)<br>WDS 1114<br>PLS 1158 | Discussion |

| | | | |
|---|---|---|---|
| 0103 | Thurka Sangaramoorthy<br>MW 12:00pm - 12:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 20)<br>WDS 1114<br>PLS 1158 | <br><br>Discussion |

**ANTH266** **Changing Climate, Changing Cultures**

**ANTH266 Changing Climate, Changing Cultures; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Cultural Competency; Signature Courses - I-Series.
Explore past, present, and future interactions between humans and climate. Discussions, methods-oriented activities, and case study analyses provide students a foundation for appreciating the role of anthropology in understanding, responding to, and preparing for climate change.

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| 0101 | L Jen Shaffer<br>TuTh 11:00am - 12:15pm | Seats (Total: 60)<br>TYD 0102 |

**ANTH298D** **Special Topics in Anthropology; Introduction to Zooarchaeology**

**ANTH298D Special Topics in Anthropology: Introduction to Zooarchaeology; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Sciences.
Click here for more course information.

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| 0101 | George Hambrecht<br>TuTh 2:00pm - 3:15pm | Seats (Total: 25)<br>TYD 1132 |

**ANTH298I** **Subversive Culture**

**ANTH298I Subversive Culture; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
Also offered as THET289I. Click here for more course information.

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|---|---|---|
| 0101 | Laurie Frederik Meer<br>TuTh 11:00am - 12:15pm | Seats (Total: 35)<br>JMP 2202 |

**ANTH298M** **Special Topics in Anthropology; Archaeology of the Spanish Empire**

**ANTH298M Special Topics in Anthropology: Archaeology of the Spanish Empire; (3 credits)** Grade Method: REG/P-F/AUD.
Click here for more course information.

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|---|---|---|
| 0101 | Mary Furlong<br>TuTh 12:30pm - 1:45pm | Seats (Total: 35)<br>TYD 1114 |

**ANTH298W** **Special Topics in Anthropology; Anthropology of Work**

**ANTH298W Special Topics in Anthropology: Anthropology of Work; (3 credits)** Grade Method: REG/P-F/AUD.
Click here for more course information.

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|---|---|---|
| 0101 | Kristin Sullivan<br>M 2:00pm - 4:45pm | Seats (Total: 20)<br>LEF 1221 |

**ANTH338A** **Special Topics in Study Abroad III; Cultural Anthropology of Spain**
**Contact department for information to register for this course.**

**ANTH340** **Method and Theory in Archaeology**

**ANTH340 Method and Theory in Archaeology; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ANTH240. Restriction: Must be in Anthropology program; or permission of BSOS-Anthropology department.* Theory, method, and practice which guides modern anthropological archaeology. Includes research design and execution (from survey through excavation and interpretation), the reconstruction of aspects of past cultures, and the understanding of cultural change and meaning.

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|---|---|---|
| 0101 | Matthew Palus<br>W 3:00pm - 5:45pm | Seats (Total: 35)<br>WDS 1114 |

**ANTH358A** **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Archaeology**

**ANTH358A** *(PermReq)* **Undergraduate Teaching Assistant: Undergraduate Teaching Assistant in Archaeology; (1-3 credits)** Grade Method: REG/P-F/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ANTH358B** **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Bio-Anthropology**

**ANTH358B** *(PermReq)* **Undergraduate Teaching Assistant: Undergraduate Teaching Assistant in Bio-Anthropology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ANTH358C** **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Cultural Anthropology**

**ANTH358C** *(PermReq)* **Undergraduate Teaching Assistant: Undergraduate Teaching Assistant in Cultural Anthropology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ANTH360** **Method and Theory in Sociocultural Anthropology**

**ANTH360 Method and Theory in Sociocultural Anthropology; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ANTH260. Restriction: Must be in Anthropology program; or permission of BSOS-Anthropology department.* Theoretical approaches and research methods in sociocultural anthropology. Emphasis on current debates, new directions, and their historical antecedents.

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|---|---|---|
| 0101 | Elijah Edelman | Seats (Total: 35) |
| | TuTh 9:30am - 10:45am | WDS 1114 |

**ANTH386** **Experiential Learning**

**ANTH386** *(PermReq)* **Experiential Learning; (1-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
*Recommended: Completion of advanced courses in relevant subfield of anthropology recommended. Restriction: Permission of BSOS-Anthropology department; and junior standing or higher; and must be in Anthropology program.*

**Contact department for information to register for this course.**

**ANTH398A** **Independent Study; Research Problems**

**ANTH398A** *(PermReq)* **Independent Study: Research Problems; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**ANTH398B** **Independent Study; Modern Tribes of Rome**
**Contact department for information to register for this course.**

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**ANTH398C** **Independent Study; The Mediterranean World**
**Contact department for information to register for this course.**

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**ANTH398E** **Independent Study; Bodies and Burials**
**Contact department for information to register for this course.**

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**ANTH398H** **Independent Study; Social Anthropology of Britain**
**Contact department for information to register for this course.**

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**ANTH398L** **Independent Study; Social Anthropology of Britain**
**Contact department for information to register for this course.**

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**ANTH398R** **Independent Study; Proseminar-Capstone Research**

**ANTH398R** *(PermReq)* **Independent Study: Proseminar-Capstone Research; (1-3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | William Stuart | Seats (Total: 20) |
| | Contact instructor or department for details. | |

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**ANTH398T** **Independent Study; Proseminar-Capstone Thesis**

**ANTH398T** *(PermReq)* **Independent Study: Proseminar-Capstone Thesis; (1-3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | William Stuart | Seats (Total: 20) |
| | Contact instructor or department for details. | |

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**ANTH410** **Theory and Practice of Health and Community Development**

**ANTH410 Theory and Practice of Health and Community Development; (3 credits)** Grade Method: REG/AUD.
*Restriction: Junior standing or higher. Also offered as: ANTH610. Credit only granted for: ANTH410 or ANTH610.* Introduction to the relationships between culture, health status and practices, and the design of community-based initiatives. The focus is on the use of anthropological knowledge and skills in the analysis of such relationships and in the design of community-based initiatives.

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|---|---|---|
| 0101 | Tony Whitehead<br>Tu 6:00pm - 8:45pm | Seats (Total: 20)<br>WDS 0104 |

**ANTH425** **Theory and Practice of Applied Biological Anthropology**
**Contact department for information to register for this course.**

**ANTH428N** **Special Topics in Bioanthropology; Nutritional Anthropology**

**ANTH428N Special Topics in Bioanthropology: Nutritional Anthropology; (3 credits)** Grade Method: REG/P-F/AUD.
Click here for more course information.

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|---|---|---|
| 0101 | Susan Steen<br>MW 5:00pm - 6:15pm | Seats (Total: 30)<br>KEY 0121 |

**ANTH428P** **Special Topics in Bioanthropology; Survey of the Primates**

**ANTH428P Special Topics in Bioanthropology: Survey of the Primates; (3 credits)** Grade Method: REG/P-F/AUD.
Click here for more course information.

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|---|---|---|
| 0101 | Susan Steen<br>MW 2:00pm - 3:15pm | Seats (Total: 30)<br>SQH 2122 |

**ANTH428R** **Special Topics in Bioanthropology; Race and Ethnicity**

**ANTH428R Special Topics in Bioanthropology: Race and Ethnicity; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to Fall 2012 BMGT-Shady Grove cohort students majoring in Accounting, International Business, Marketing and to Fall 2011 BMGT- Shady Grove cohort students majoring in Management-Entrepreneurship. This course is by permission only for students who need a diversity course. Other students may request enrollment on a space available basis.

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|---|---|---|
| SG91 | Susan Steen | Seats (Total: 40) |
| | Tu 2:00pm - 4:45pm | Location: TBA |
| | *Restricted to Fall 2012 BMGT-Shady Grove cohort students majoring in Accounting, International Business, Marketing and to Fall 2011 BMGT- Shady Grove cohort students majoring in Management. This course is by permission only for students who need a diversity course. Other students may request enrollment on a space available basis.* | |

**ANTH429A** **Advanced Special Topics in Biological Anthropology; Plagues, Pathogens, and Public Policy**

**ANTH429A Advanced Special Topics in Biological Anthropology: Plagues, Pathogens, and Public Policy; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| SG92 | Marilyn London | Seats (Total: 40) |
| | M 2:00pm - 4:50pm | BLD2 3012 |
| | *Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove. Please email usbiosci@umd.edu for permission.* | |

**ANTH429D** **Advanced Special Topics in Biological Anthropology; Exploring Your Family History Anthropologically**

**ANTH429D Advanced Special Topics in Biological Anthropology: Exploring Your Family History Anthropologically; (3 credits)** Grade Method: REG/P-F/AUD.
Click here for more course information.

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|---|---|---|
| SG91 | Susan Steen, Marilyn London | Seats (Total: 30) |
| | Tu 9:30am - 12:00pm | BLD3 4225 |
| | *Limited to CCJS students at Shady Grove.* | |

**ANTH447** **Material Culture Studies in Archaeology**

**ANTH447 Material Culture Studies in Archaeology; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ANTH240. Credit only granted for: ANTH447, ANTH448C, ANTH647, or ANTH689C. Formerly: ANTH448C.* An in-depth introduction to the world of material culture studies with a focus on the methods and theories in historical archaeology. Students will look at archaeological data as historical documents, commodities and as symbols expressing ideas.

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|---|---|---|
| 0101 | Stephen Brighton | Seats (Total: 20) |
| | TuTh 12:30pm - 1:45pm | WDS 0104 |

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**ANTH448P** **Special Topics in Archaeology; Anthropological Theories of the Past**

**ANTH448P Special Topics in Archaeology: Anthropological Theories of the Past; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as ANTH 740. Prerequisite: ANTH240. Click here for more course information.

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|---|---|---|
| 0101 | Mark Leone | Seats (Total: 15) |
| | Tu 3:00pm - 5:40pm | HZF 0101 |

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**ANTH468F** **Special Topics in Cultural Anthropology; Introduction to Native American Cultures of the United States**

**ANTH468F Special Topics in Cultural Anthropology: Introduction to Native American Cultures of the United States; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as AMST328N and RELS319N. Credit will be granted for only one of the following: AMST328N, ANTH468F or RELS319N. Click here for more course information.

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|---|---|---|
| 0101 | L Gordon | Seats (Total: 35) |
| | M 4:00pm - 6:40pm | PLS 1113 |

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**ANTH468G** **Special Topics in Cultural Anthropology; Inventions of Heritage**

**ANTH468G Special Topics in Cultural Anthropology: Inventions of Heritage; (3 credits)** Grade Method: REG/P-F/AUD.
Click here for more course information.

| | | |
|---|---|---|
| 0101 | Erve Chambers<br>Th 2:00pm - 4:45pm | Seats (Total: 5)<br>ARC 1127 |

**ANTH468M** **Special Topics in Cultural Anthropology; Creating Museums of the Immigrant Experience**

**ANTH468M** *(PermReq)* **Special Topics in Cultural Anthropology: Creating Museums of the Immigrant Experience; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisite: permission of department. Also offered as ANTH689M. Click here for more course information.

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|---|---|---|
| 0101 | Judith Freidenberg<br>Th 3:00pm - 5:45pm | Seats (Total: 8)<br>Location: TBA |

**ANTH468O** **Special Topics in Cultural Anthropology; Researching Environment and Culture**

**ANTH468O Special Topics in Cultural Anthropology: Researching Environment and Culture; (3 credits)** Grade Method: REG/P-F/AUD.
Click here for more course information.

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|---|---|---|
| 0101 | L Jen Shaffer<br>TuTh 2:00pm - 3:15pm | Seats (Total: 20)<br>WDS 0124C |

**ANTH468R** **Special Topics in Cultural Anthropology; Quantification and Statistics in Applied Anthropology**

**ANTH468R** *(PermReq)* **Special Topics in Cultural Anthropology: Quantification and Statistics in Applied Anthropology; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Sean Downey<br>W 6:00pm - 8:45pm | Seats (Total: 5)<br>WDS 0104 |

**ANTH469G** **Advanced Special Topics in Cultural Anthropology; Gender and Islam**

**ANTH469G Advanced Special Topics in Cultural Anthropology: Gender and Islam; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as ANTH689G and RELS419G. Click here for more course information.

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|---|---|---|
| 0101 | Theresa Pham<br>Tu 3:00pm - 5:45pm | Seats (Total: 20)<br>SKN 0104 |

**ANTH469P** **Advanced Special Topics in Cultural Anthropology; Culture, Cognition, and Environment**

**ANTH469P Advanced Special Topics in Cultural Anthropology: Culture, Cognition, and Environment; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisite: junior standing or higher. Click here for more course information.

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|---|---|---|
| 0101 | Michael Paolisso | Seats (Total: 10) |
| | TuTh 2:00pm - 3:15pm | WDS 1131 |

**ANTH469R** **Advanced Special Topics in Cultural Anthropology; Language, Identity, and Racism**

**ANTH469R Advanced Special Topics in Cultural Anthropology: Language, Identity, and Racism; (3 credits)** Grade Method: REG/P-F/AUD.
Click here for more course information.

| | | |
|---|---|---|
| 0101 | Jacqueline Messing | Seats (Total: 20) |
| | Tu 6:00pm - 8:45pm | WDS 1114 |

**ANTH476** **Senior Research**

**ANTH476** *(PermReq)* **Senior Research; (3-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
*Restriction: Must be in Anthropology program. Credit only granted for: ANTH476 or ANTH486.* Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of a senior thesis in anthropology.

**Contact department for information to register for this course.**

**ANTH477** **Senior Thesis**

**ANTH477** *(PermReq)* **Senior Thesis; (3-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: ANTH476. Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program. Credit only granted for: ANTH477 or ANTH487.* Capstone course in which students write a senior thesis on independent research into a current problem in anthropology. The thesis is defined before a committee of faculty.

**Contact department for information to register for this course.**

**ANTH486** **Honors Research**

**ANTH486** *(PermReq)* **Honors Research; (3-4 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
*Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program; and must be admitted to University Honors Program or Anthropology Honors Program. Credit only granted for: ANTH486 or ANTH476.* Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of an honors thesis in anthropology.

**Contact department for information to register for this course.**

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**ANTH487** **Honors Thesis**

**ANTH487** *(PermReq)* **Honors Thesis; (3-4 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: ANTH486. Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program; and must be admitted to University Honors Program or Anthropology Honors Program. Credit only granted for: ANTH487 or ANTH477.* Capstone course in which students write a thesis on the results of independent research into a current problem in anthropology.

**Contact department for information to register for this course.**

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**ANTH498G** **Advanced Field Training in Ethnography; Service Learning for Theory and Practice of Health and Community Development**

**ANTH498G Advanced Field Training in Ethnography: Service Learning for Theory and Practice of Health and Community Development; (1 credit)** Grade Method: REG/P-F/AUD.
Requires 4hours per week of off-campus service learning. Can only be taken concurrently with ANTH410 or ANTH610.

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|---|---|---|
| 0101 | Tony Whitehead | Seats (Total: 20) |
| | Contact instructor or department for details. | |

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**ANTH610** **Advanced Studies in Theory and Practice of Health and Community Development**

**ANTH610 Advanced Studies in Theory and Practice of Health and Community Development; (3 credits)** Grade Method: REG/AUD.
*Also offered as: ANTH410. Credit only granted for: ANTH610 or ANTH410.*
Introduction to the relationships between culture, health status and practices, and the design of community-based initiatives. The focus is on the use of anthropological knowledge and skills in the analysis of such relationships and in the design of community-based initiatives.

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|---|---|---|
| 0101 | Tony Whitehead | Seats (Total: 10) |
| | Tu 6:00pm - 8:45pm | WDS 0104 |

**ANTH630** **Quantification and Statistics in Applied Anthropology**

**ANTH630 Quantification and Statistics in Applied Anthropology; (3 credits)** Grade Method: REG/AUD.
An intensive overview of key quantitative and statistical approaches used by social scientists in applied ad policy research. This includes nonparametric and parametric statistical approaches. Students utilize statistical software and analyze existing and student-created databases. Anthropological case studies are emphasized.

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|---|---|---|
| 0101 | Sean Downey | Seats (Total: 20) |
| | W 6:00pm - 8:45pm | WDS 0104 |

**ANTH647** **Advanced Material Culture Studies in Archaeology**

**ANTH647 Advanced Material Culture Studies in Archaeology; (3 credits)** Grade Method: REG/AUD.
*Credit only granted for: ANTH447, ANTH448C, ANTH647, or ANTH689C. Formerly: ANTH689C.* An in-depth introduction to the world of material culture studies with a focus on the methods and theories in historical archaeology. Students will look at archaeological data as historical documents, commodities and as symbols expressing ideas.

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|---|---|---|
| 0101 | Stephen Brighton | Seats (Total: 10) |
| | TuTh 12:30pm - 1:45pm | WDS 0104 |

**ANTH688A** **Current Developments in Anthropology**

**ANTH688A** *(PermReq)* **Current Developments in Anthropology; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**ANTH688C** **Current Developments in Anthropology; Introduction to Performance Studies**

**ANTH688C Current Developments in Anthropology: Introduction to Performance Studies; (3 credits)** Grade Method: REG/AUD.
Also offered as THET713. Click here for more course information.

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|---|---|---|
| 0101 | Laurie Frederik Meer | Seats (Total: 10) |
| | Th 2:00pm - 4:30pm | PAC 2804 |

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**ANTH688G** **Current Developments in Anthropology; Inventions of Heritage**

**ANTH688G Current Developments in Anthropology: Inventions of Heritage; (3 credits)** Grade Method: REG/AUD.
Click here for more course information.

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|---|---|---|
| 0101 | Erve Chambers | Seats (Total: 10) |
| | Th 2:00pm - 4:45pm | ARC 1127 |

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**ANTH688O** **Current Developments in Anthropology; Researching Environment and Culture**

**ANTH688O Current Developments in Anthropology: Researching Environment and Culture; (3 credits)** Grade Method: REG/AUD.
Click here for more course information.

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|---|---|---|
| 0101 | L Jen Shaffer | Seats (Total: 4) |
| | TuTh 2:00pm - 3:15pm | WDS 0124C |

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**ANTH689A** **Special Problems in Anthropology**

**ANTH689A** *(PermReq)* **Special Problems in Anthropology; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**ANTH689G** **Special Problems in Anthropology; Gender and Islam**

**ANTH689G Special Problems in Anthropology: Gender and Islam; (3 credits)** Grade Method: REG/S-F.
Also offered as ANTH469G and RELS419G. Click here for more course information.

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|---|---|---|
| 0101 | Theresa Pham | Seats (Total: 10) |
| | Tu 3:00pm - 5:45pm | SKN 0104 |

**ANTH689M** **Special Problems in Anthropology; Creating Museums of the Immigrant Experience**

**ANTH689M** *(PermReq)* **Special Problems in Anthropology: Creating Museums of the Immigrant Experience; (3 credits)** Grade Method: REG/S-F.
Prerequisite: permission of department. Also offered as ANTH468M.

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|---|---|---|
| 0101 | Judith Freidenberg | Seats (Total: 2) |
| | Th 3:00pm - 5:45pm | HBK 0302J |

**ANTH689P** **Special Problems in Anthropology; Culture, Cognition, and Environment**

**ANTH689P Special Problems in Anthropology: Culture, Cognition, and Environment; (3 credits)** Grade Method: REG/S-F.
Click here for more course information.

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|---|---|---|
| 0101 | Michael Paolisso | Seats (Total: 10) |
| | TuTh 2:00pm - 3:15pm | WDS 1131 |

**ANTH689R** **Special Problems in Anthropology; Language, Identity, and Racism**

**ANTH689R Special Problems in Anthropology: Language, Identity, and Racism; (3 credits)** Grade Method: REG/S-F.
Click here for more course information.

| | | |
|---|---|---|
| 0101 | Jacqueline Messing | Seats (Total: 10) |
| | Tu 6:00pm - 8:45pm | WDS 1114 |

**ANTH701** **Anthropology Internship Preparation**

**ANTH701 Anthropology Internship Preparation; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Preparation for internship includes practicum training in development, presentation and evaluation of position papers, proposals and work plans; literature search and use of secondary data sources in decision making the effect cultural analysis and resource management; ethics and professional development for work in non-academic settings.

**Contact department for information to register for this course.**

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**ANTH712** **Anthropology Internship Analysis**

**ANTH712** *(PermReq)* **Anthropology Internship Analysis; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: ANTH789.* The preparation and presentation of internship results, and the development of skills in report writing and presentation. Includes the completion of a professional quality report or publishable paper based on the internship experience.

**Contact department for information to register for this course.**

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**ANTH720** **Advanced Studies in Theory and Practice in Applied Biological Anthropology**

**ANTH720 Advanced Studies in Theory and Practice in Applied Biological Anthropology; (3 credits)** Grade Method: REG/AUD.
*Credit only granted for: ANTH420, ANTH425, ANTH625, or ANTH720.* An introductin to the major theoretical and methodological underpinngs of applied biological anthropology within such areas as anthropological genetics, applied anthropometry, forensic anthropology, museum studies, and zoological parks. Emphasis is on the evaluation of the contributions of applied bioanthropological studies to particular problems in human health, environment, and heritage.

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|---|---|---|
| 0101 | Katherine Russell | Seats (Total: 25) |
| | Th 6:00pm - 8:40pm | WDS 0104 |

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**ANTH740** **Theories of the Past and Accomplishments of Archaeology**

**ANTH740 Theories of the Past and Accomplishments of Archaeology; (3 credits)** Grade Method: REG/AUD.
*Credit only granted for: ANTH689P or ANTH740. Formerly: ANTH689P.* The primary purpose is to highlight some of the key achievements made by archaeologists in informing questions of interest to society from 1850 on. Key achievements include how archaeologists understand elements of the past thought to be central to the development of modern socieity. A secondary purpose is to introduce students to the theories used to understand the place of the past in society and the function of answers to questions thought central to modern social life. Also offered as ANTH448P.

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|---|---|---|
| 0101 | Mark Leone | Seats (Total: 15) |
| | Tu 3:00pm - 5:40pm | HZF 0101 |

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**ANTH788** **Internship Research**

**ANTH788** *(PermReq)* **Internship Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**ANTH789** **Internship**

**ANTH789** *(PermReq)* **Internship; (3-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**ANTH898** **Pre-Candidacy Research**

**ANTH898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**ANTH899** **Doctoral Dissertation Research**

**ANTH899 Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# AOSC Atmospheric and Oceanic Science Spring 2013

**AOSC123** **Causes and Implications of Global Change**

**AOSC123 Causes and Implications of Global Change; (3 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.
*Also offered as: GEOL123. Credit only granted for: AOSC123, GEOG123, GEOL123, or METO123. Formerly: METO123.* Study of the major components of Earth's climate system and climate change history. Discussion of 21st century climate change prediction, mitigation and adaptation efforts.

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|---|---|---|---|
| 0101 | Rachel Pinker, Michael Evans<br>MW 12:00pm - 12:50pm<br>F 9:00am - 9:50am | Seats (Total: 20)<br>CSS 2324<br>PLS 1172 | Discussion |
| 0102 | Rachel Pinker, Michael Evans<br>MW 12:00pm - 12:50pm<br>F 10:00am - 10:50am | Seats (Total: 20)<br>CSS 2324<br>PLS 1172 | Discussion |
| 0103 | Rachel Pinker, Michael Evans<br>MW 12:00pm - 12:50pm<br>F 11:00am - 11:50am | Seats (Total: 20)<br>CSS 2324<br>PLS 1172 | Discussion |
| 0104 | Rachel Pinker, Michael Evans<br>MW 12:00pm - 12:50pm<br>F 9:00am - 9:50am | Seats (Total: 20)<br>CSS 2324<br>PLS 1168 | Discussion |
| 0105 | Michael Evans, Rachel Pinker<br>MW 12:00pm - 12:50pm<br>F 10:00am - 10:50am | Seats (Total: 20)<br>CSS 2324<br>PLS 1168 | Discussion |
| 0106 | Rachel Pinker, Michael Evans<br>MW 12:00pm - 12:50pm<br>F 11:00am - 11:50am | Seats (Total: 20)<br>CSS 2324<br>PLS 1168 | Discussion |

**AOSC200** **Weather and Climate**

**AOSC200 Weather and Climate; (3 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Science Lab(if taken with AOSC201) or Distributive Studies - Natural Sciences; Signature Courses - I-Series.
*Prerequisite: MATH110 or MATH115. Recommended: Concurrent enrollment in AOSC201. Formerly: METO200.* Broad survey of the state of knowledge and problems of atmospheric science. Origin and structure of the atmosphere, meteorological observations, weather maps, forecasting, satellites, energetics, wind, general circulation, storms, severe weather, climate change, air pollution.
***A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/*** Click here for more Marquee course information.

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|---|---|---|---|
| 0101 | Robert Hudson<br>TuTh 12:30pm - 1:45pm<br>W 1:00pm - 1:50pm | Seats (Total: 30)<br>CSS 2324<br>CSS 1113 | Discussion |
| 0102 | Robert Hudson<br>TuTh 12:30pm - 1:45pm<br>W 2:00pm - 2:50pm | Seats (Total: 30)<br>CSS 2324<br>CSS 2428 | Discussion |
| 0103 | Robert Hudson<br>TuTh 12:30pm - 1:45pm<br>W 3:00pm - 3:50pm | Seats (Total: 30)<br>CSS 2324<br>CSS 2428 | Discussion |
| 0104 | Robert Hudson<br>TuTh 12:30pm - 1:45pm<br>W 1:00pm - 1:50pm | Seats (Total: 30)<br>CSS 2324<br>CSS 2416 | Discussion |
| 0201 | Robert Hudson<br>TuTh 2:00pm - 3:15pm<br>W 2:00pm - 2:50pm | Seats (Total: 30)<br>CSS 2324<br>CSS 1113 | Discussion |
| 0202 | Robert Hudson<br>TuTh 2:00pm - 3:15pm<br>W 3:00pm - 3:50pm | Seats (Total: 30)<br>CSS 2324<br>CSS 1113 | Discussion |
| 0203 | Robert Hudson<br>TuTh 2:00pm - 3:15pm<br>M 1:00pm - 1:50pm | Seats (Total: 30)<br>CSS 2324<br>CSS 2416 | Discussion |

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|---|---|---|---|
| 0204 | Robert Hudson<br>TuTh 2:00pm - 3:15pm<br>M 2:00pm - 2:50pm | Seats (Total: 30)<br>CSS 2324<br>CSS 2416 | <br><br>Discussion |

**AOSC201** **Weather and Climate Laboratory**

**AOSC201 Weather and Climate Laboratory; (1 credit)** Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course. GenEd: Distributive Studies - Natural Science Lab.
*Corequisite: AOSC200. Formerly: METO201.* Laboratory exercises to supplement AOSC200, including weather observations, weather map analysis, use of the Internet, forecasting practice and climate modeling.

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|---|---|---|---|
| 0101 | Robert Hudson<br>Tu 2:30pm - 4:30pm | Seats (Total: 25)<br>CSS 3426 | <br>Lab |
| 0102 | Robert Hudson<br>W 8:00am - 10:00am | Seats (Total: 25)<br>CSS 3426 | <br>Lab |
| 0103 | Robert Hudson<br>F 8:00am - 10:00am | Seats (Total: 24)<br>CSS 3426 | <br>Lab |
| 0104 | Robert Hudson<br>M 8:00am - 10:00am | Seats (Total: 24)<br>CSS 3426 | <br>Lab |

**AOSC401** **Climate Dynamics and Earth System Science**

**AOSC401 Climate Dynamics and Earth System Science; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: AOSC400 or AOSC200; or permission of instructor. Formerly: METO401.* The global weather and climate system; the natural variability of the atmosphere-ocean-biosphere; carbon cycle and biogeochemistry. Potential human effects: greenhouse effects, deforestation, acid rain, ozone depletion, nuclear winter. Social, political and economic effects of changes in global environment. Policy options.

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|---|---|---|---|
| 0101 | Zhanqing Li<br>TuTh 2:00pm - 3:15pm | Seats (Total: 25)<br>JMP 1202 | |

**AOSC432** **Large Scale Atmospheric Dynamics**

**AOSC432 Large Scale Atmospheric Dynamics; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: AOSC431. Corequisite: MATH246. Credit only granted for: AOSC432, METO432, or AOSC632. Formerly: METO432.* The physics of the atmospheric motions that control mid-latitude weather; physics of hurricanes; mathematics of climate change.

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| 0101 | Rong-Hua Zhang<br>TuTh 9:30am - 10:45am | Seats (Total: 20)<br>CSS 2416 |
| AM01 | Rong-Hua Zhang<br>TuTh 9:30am - 10:45am | Seats (Total: 5)<br>CSS 2416 |

**AOSC433** **Atmospheric Chemistry and Climate**

**AOSC433 Atmospheric Chemistry and Climate; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: CHEM131, CHEM135, or CHEM146. And MATH241; or permission of CMNS-Atmospheric & Oceanic Science department. Also offered as: CHEM433. Credit only granted for: AOSC433, AOSC633, CHEM433, or CHEM633. Formerly: AOSC434.* The effects of human activity on atmospheric composition, focused on global warming, the carbon cycle, air pollution, and the ozone layer. Fundamentals of atmosphereic chemistry (spectroscopy, kinetics, isotopic analysis, and biogeochemical cycles) are related to the modern understanding of climate change, air quality, and ozone depletion, based on resources such as satellite missions, field campaigns, and scientific assessments published by international agencies. We also examine how society's energy needs could be met, in the future, in a manner with less impact on atmospheric composition than the present heavy reliance on combusion of fossil fuels. Also offered as CHEM433. Credit will be granted for one of the following: AOSC433, AOSC633, CHEM433, or CHEM633.

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| 0101 | Ross Salawitch<br>TuTh 2:00pm - 3:15pm | Seats (Total: 28)<br>CSS 2416 |
| AM01 | Ross Salawitch<br>TuTh 2:00pm - 3:15pm | Seats (Total: 1)<br>CSS 2416 |

**AOSC458A** **Special Topics in Atmospheric and Oceanic Science; Earth, Life, and Sustainability**

**AOSC458A Special Topics in Atmospheric and Oceanic Science: Earth, Life, and Sustainability; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH240, PHYS161, GEOL/GEOG/AOSC123, AOSC/GEOL375, or permission of instructor. Evolution of Earth, life and climate. Fundamentals of Energy, Water, and Carbon Cycles are essential for understanding evolution of unicellular to multicellular life and the evolution of humans as the most cooperative species. These will be examined to provide the context for the impact of human activity on the functioning of the Earth System and the need for for sustainability. We will also examine the measure of sustainability. We will also examine the measure of sustainability and gender and culture specific issues in implementing sustainability.

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|---|---|---|
| 0101 | Raghu Murtugudde<br>MW 2:00pm - 3:15pm | Seats (Total: 20)<br>PLS 1164 |
| AM01 | Raghu Murtugudde<br>MW 2:00pm - 3:15pm | Seats (Total: 5)<br>PLS 1164 |

**AOSC494** **Atmospheric and Oceanic Science Seminar**

**AOSC494 Atmospheric and Oceanic Science Seminar; (1 credit)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in AOSC431 and AOSC432.* Exposure to a wide range of contemporary topics in atmospheric, oceanic, and climate sciences, to foster research interests and promote critical thinking through the weekly AOSC departmental seminar series.

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| 0101 | Dale Allen<br>Th 3:30pm - 4:30pm | Seats (Total: 20)<br>CSS 2400 |

**AOSC498** **Senior Research Project II**

**AOSC498 Senior Research Project II; (3 credits)** Grade Method: REG/P-F/AUD.

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| 1301 | Ross Salawitch<br>Contact instructor or department for details. | Seats (Total: 5) |

**AOSC499** **Special Problems in Atmospheric Science**

**AOSC499 Special Problems in Atmospheric Science; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**AOSC611** **Dynamics of the Atmosphere and Oceans II**

**AOSC611 Dynamics of the Atmosphere and Oceans II; (3 credits)** Grade Method: REG/AUD.
*Formerly: METO611.* Waves and instabilities in the atmosphere and the ocean. Gravity, Rossby, coastal and equatorial waves. Flow over topography. Dynamic instabilities including barotropic, baroclinic, inertial, and instabilities of the coupled ocean-atmosphere system. Stationary waves and multiple equilibria.

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|---|---|---|
| 0101 | James Carton<br>MWF 11:00am - 11:50am | Seats (Total: 25)<br>CSS 2416 |
| AM01 | James Carton<br>MWF 11:00am - 11:50am | Seats (Total: 5)<br>CSS 2416 |

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**AOSC615** **Advanced Methods in Data Assimilation for the Earth Sciences**

**AOSC615 Advanced Methods in Data Assimilation for the Earth Sciences; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: AOSC614; or permission of instructor.* An overview of the most important methods of data assimilation. Theory, techniques and strategies of these methods, as well as their possible drawbacks. Hands-on experimentation with variational and other data assimilation systems.

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| 0101 | Kayo Ide<br>TuTh 9:30am - 10:45am | Seats (Total: 20)<br>KEB 1200 |
| AM01 | Kayo Ide<br>TuTh 9:30am - 10:45am | Seats (Total: 5)<br>KEB 1200 |

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**AOSC617** **Atmospheric and Oceanic Climate**

**AOSC617 Atmospheric and Oceanic Climate; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: AOSC610; or permission of instructor. Formerly: METO617.* The general circulation of the atmosphere and oceans, historical perspective, observations, and conceptual models; wind-driven and thermohaline circulation of the oceans. Seasonal cycle and monsoon circulations; interannual to interdecadal climate variability; climate change.

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| 0101 | Sumant Nigam<br>MW 9:30am - 10:45am | Seats (Total: 25)<br>CSS 2416 |
| AM01 | Sumant Nigam<br>MW 9:30am - 10:45am | Seats (Total: 5)<br>CSS 2416 |

**AOSC621** **Physics and Chemistry of the Atmosphere II**

**AOSC621 Physics and Chemistry of the Atmosphere II; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: MATH462; or students who have taken courses with comparable content may contact the department. Formerly: METO621.* Spectroscopy; basic concepts in radiative transfer and atmospheric chemistry; photolysis rates for atmospheric molecules.

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| 0101 | Xin-Zhong Liang<br>TuTh 11:00am - 12:15pm | Seats (Total: 25)<br>CSS 3426 |
| AM01 | Xin-Zhong Liang<br>TuTh 11:00am - 12:15pm | Seats (Total: 5)<br>CSS 3426 |

**AOSC630** **Statistical Methods in Meteorology and Oceanography**

**AOSC630 Statistical Methods in Meteorology and Oceanography; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: STAT400; or students who have taken courses with comparable content may contact the department. Formerly: METO630.* Parametric and non-parametric tests; time series analysis and filtering; wavelets. Multiple regression and screening; neural networks. Empirical orthogonal functions and teleconnections. Statistical weather and climate prediction, including MOS, constructed analogs. Ensemble forecasting and verification.

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| 0101 | Eugenia Kalnay<br>W 12:00pm - 1:00pm<br>W 1:00pm - 2:30pm | Seats (Total: 15)<br>CSS 2428<br>CSS 3425 |
| AM01 | Eugenia Kalnay<br>W 12:00pm - 1:00pm<br>W 1:00pm - 2:30pm | Seats (Total: 5)<br>CSS 2428<br>CSS 3425 |

**AOSC633** **Atmospheric Chemistry and Climate**

**AOSC633 Atmospheric Chemistry and Climate; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: CHEM131, CHEM135, or CHEM146. And MATH241; or permission of CMNS-Atmospheric & Oceanic Science department. Also offered as: CHEM633. Credit only granted for: AOSC433, AOSC633, CHEM433, or CHEM633. Formerly: AOSC658R.* The effects of human activity on atmospheric composition, focused on global warming, the carbon cycle, air pollution, and the ozone layer. Fundamentals of atmosphereic chemistry (spectroscopy, kinetics, isotopic analysis, and biogeochemical cycles) are related to the modern understanding of climate change, air quality, and ozone depletion, based on resources such as satellite missions, field campaigns, and scientific assessments published by international agencies. We also examine how society's energy needs could be met, in the future, in a manner with less impact on atmospheric composition than the present heavy reliance on combusion of fossil fuels. Also offered as CHEM633. Credit will be granted for one of the following: AOSC433, AOSC633, CHEM433, or CHEM633.

| | | |
|---|---|---|
| 0101 | Ross Salawitch<br>TuTh 2:00pm - 3:15pm | Seats (Total: 5)<br>CSS 2416 |
| AM01 | Ross Salawitch<br>TuTh 2:00pm - 3:15pm | Seats (Total: 1)<br>CSS 2416 |

**AOSC634** **Air Sampling and Analysis**

**AOSC634 Air Sampling and Analysis; (3 credits)** Grade Method: REG/AUD.
*Formerly: METO634.* Theory and application of analytical techniques for the analysis of atmospheric gases and particles including priority pollutants. Combined chemical and meteorological considerations in designing field experiments.

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| 0101 | Russell Dickerson<br>MW 12:00pm - 12:50pm<br>F 10:00am - 12:00pm | Seats (Total: 20)<br>CSS 3425<br>CSS 4332 | <br><br>Lab |
| AM01 | Russell Dickerson<br>MW 12:00pm - 12:50pm<br>F 10:00am - 12:00pm | Seats (Total: 5)<br>CSS 3425<br>CSS 4332 | <br><br>Lab |

**AOSC658C** **Special Topics in Meteorology; Oceans**

**AOSC658C Special Topics in Meteorology: Oceans; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**AOSC658E** **Special Topics in Meteorology; Data Assimulation**

**AOSC658E Special Topics in Meteorology: Data Assimulation; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**AOSC658F** **Special Topics in Meteorology; Sustainability Modeling**

**AOSC658F Special Topics in Meteorology: Sustainability Modeling; (3 credits)** Grade Method: REG/AUD.
For students concerned with sustainability issues, have little or no background in computational modeling, but would like to understand what modeling can do to help solve sustainability problems. Explores a variety of contemporary societal issues (e.g., water scarcity, biodiversity loss, energy dependence), and modeling approaches for simulating and quantitatively understanding sustainability variables, and designing appropriate policy measures that can be implemented as a response to such issues. A general modeling framework is developed using systems dynamics theory. Lectures will be complemented with discussion sessions and real-world based modeling exercises to get hands-on knowledge of practical solutions to sustainability challenges. This course will be taught online, meeting live once a week. All lectures will be recorded and posted online on a class dedicated web site, as well as a class Facebook page.

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|---|---|---|
| 0101 | Fernando Miralles-Wilhelm<br>Class time/details on ELMs | Seats (Total: 20)<br>ONLINE |
| AM01 | Fernando Miralles-Wilhelm<br>Class time/details on ELMs | Seats (Total: 5)<br>ONLINE |

**AOSC675** **Carbon Cycle and Climate: Past, Present, and Future**

**AOSC675 Carbon Cycle and Climate: Past, Present, and Future; (3 credits)**
Grade Method: REG/AUD.
The fundamentals of the Earth's carbon cycle, a key biogeochemical cycle that controls Earth's climate and life. The changing characteristics of the carbon cycle on several timescales, ranging from geological, interannual, and the more recent anthropogenic influences on carbon cycle and climate. The carbon cycle in the atmosphere, land, ocean, and the biosphere. The underlying human activities such as fossil fuel burning and deforestation that are responsible for the increase in the atmosphere CO2 and our future options in dealing with the carbon problem such as alternative energy and carbon sequestration.

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|---|---|---|
| 0101 | Ning Zeng<br>M 2:30pm - 5:05pm | Seats (Total: 20)<br>CSS 2428 |
| AM01 | Ning Zeng<br>M 2:30pm - 5:05pm | Seats (Total: 5)<br>CSS 2428 |

**AOSC798** **Directed Graduate Research**

**AOSC798 Directed Graduate Research; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number. Course intended for those students not yet admitted to PhD candidacy to work on research with a professor.

**Contact department for information to register for this course.**

**AOSC818** **Frontiers in Atmosphere, Ocean, Climate, and Synoptic Meteorology Research**

**AOSC818 Frontiers in Atmosphere, Ocean, Climate, and Synoptic Meteorology Research; (1 credit)** Grade Method: S-F.

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|---|---|---|
| 0101 | Russell Dickerson<br>Th 3:30pm - 4:30pm | Seats (Total: 20)<br>CSS 2400 |

**AOSC898** **Pre-Candidacy Research**

**AOSC898 Pre-Candidacy Research; (1-8 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**AOSC899** **Doctoral Dissertation Research**

**AOSC899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# ARAB Arabic Spring 2013

**ARAB101** **Elementary Arabic I**
**Contact department for information to register for this course.**

**ARAB105** **Elementary Modern Standard Arabic III-IV**

**ARAB105 Elementary Modern Standard Arabic III-IV; (6 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ARAB104; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a fluent/native speaker of Arabic.* Continuation of ARAB104, developing further linguistic proficiency in Standard Arabic, both written and formal spoken. Covers an extended range of situation-based texts and topics that build vocabulary, grammar, general communicative competence and cultural awareness.

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|---|---|---|
| 0101 | Soulaiman Jendi<br>MWF 10:00am - 11:50am | Seats (Total: 15)<br>SQH 1103 |
| 0201 | Dina El-Hefnawy<br>MWF 12:00pm - 1:50pm | Seats (Total: 15)<br>SQH 2120 |
| 0301 | Soulaiman Jendi<br>MWF 12:00pm - 1:50pm | Seats (Total: 15)<br>SQH 1105 |

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|---|---|---|
| 0401 | Dina El-Hefnawy<br>MWF 2:00pm - 3:50pm | Seats (Total: 15)<br>SQH 1111 |

**ARAB205** **Intermediate Modern Standard Arabic II**

**ARAB205 Intermediate Modern Standard Arabic II; (6 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
*Prerequisite: ARAB204; or must have appropriate Foreign Language Placement Test (FLPT) score.* Continuation of ARAB204, with exposure to a wide range of Arabic texts from different domains. Focus on vocabulary, more complex grammatical forms, and a better understanding of the formal aspects of using MSA as well as the cultural aspects of using the language.

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|---|---|---|
| 0101 | sahar jendi, Lutf Alkebsi<br>MWF 12:00pm - 1:50pm | Seats (Total: 15)<br>SQH 2117 |
| 0201 | sahar jendi<br>MWF 10:00am - 11:50am | Seats (Total: 15)<br>SQH 2120 |

**ARAB207** **Elementary Egyptian Colloquial Arabic IV**

**ARAB207 Elementary Egyptian Colloquial Arabic IV; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ARAB206; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a fluent/native speaker of Arabic.* Further develops listening and speaking skills in Egyptian Colloquial Arabic, extending range of contexts where it merges with Modern Standard Arabic. Some reading in Arabic.

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|---|---|---|
| 0101 | Sayed Elsisi<br>TuTh 12:30pm - 1:45pm | Seats (Total: 15)<br>PLS 1162 |

**ARAB211** **Elementary Levantine Arabic IV**

**ARAB211 Elementary Levantine Arabic IV; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ARAB210; or permission of ARHU-School of Languages, Literatures, and Cultures department.* Emphasis on developing listening and speaking skills in Levantine Arabic. Covers conversational needs in everyday situations such as introductions, at hotels, at the doctor's office, at social get-togethers, etc. Some reading in Arabic.

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|---|---|---|
| FLP1 | sahar jendi<br>TuTh 11:00am - 12:15pm | Seats (Total: 15)<br>SQH 2119 |

**ARAB305** **Advanced Modern Standard Arabic II**

**ARAB305 Advanced Modern Standard Arabic II; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ARAB304; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a fluent/native speaker of Arabic.* Further advanced grammar, reading, writing, speaking in Arabic; study of current issues within the Arab World.

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|---|---|---|
| 0101 | Zein El-Amine<br>TuTh 2:00pm - 3:15pm<br>F 2:00pm - 2:50pm | Seats (Total: 15)<br>SQH 1123<br>SQH 1123 |
| 0201 | Lutf Alkebsi<br>M 3:00pm - 4:15pm<br>F 3:00pm - 3:50pm<br>W 3:00pm - 4:15pm | Seats (Total: 15)<br>SQH 2117<br>SQH 2117<br>SQH 1105 |

**ARAB398L** **Special Topics in Arabic Studies; Practicum in Arabic Language and Culture: Lebanon**

**ARAB398L** *(PermReq)* **Special Topics in Arabic Studies: Practicum in Arabic Language and Culture: Lebanon; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARAB304 and permission of department. Not open to fluent or native speakers of Arabic. Taught in Arabic.

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|---|---|---|
| 0101 | Zein El-Amine<br>TuTh 9:30am - 10:45am | Seats (Total: 15)<br>SQH 1101 |

**ARAB399** **Independent Study In Arabic**

**Contact department for information to register for this course.**

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**ARAB402** **Arabic English Translation**

**ARAB402** *(PermReq)* **Arabic English Translation; (3 credits)** Grade Method: REG/P-F/AUD.

*Prerequisite: ARAB305; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must not be a fluent/native speaker of Arabic.*

In-depth practicum in translation from Arabic to English. Exploration of the complexities of translation as an exercise of textual interpretation and linguistic transformation.

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|---|---|---|
| 0101 | Alaa Elgibali | Seats (Total: 15) |
| | TuTh 11:00am - 12:15pm | JMZ 2207 |

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**ARAB499N** **Special Topics in Arabic Studies; Narrating War Zones: Cinematic and Literary Representations of Wars in Iraq and Chechnya**

**ARAB499N Special Topics in Arabic Studies: Narrating War Zones: Cinematic and Literary Representations of Wars in Iraq and Chechnya; (3 credits)** Grade Method: REG/P-F/AUD.

Taught in English. Cultural representations of wars in Iraq and Chechnya through comparative analysis of Arab, American, and Russian sources, including feature films, documentaries, TV, and literary production.

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| 0101 | Valerie Anishchenkova | Seats (Total: 30) |
| | W 3:00pm - 6:00pm | SQH 1103 |

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**ARAB499T** **Special Topics in Arabic Studies; Contemporary Arab Political Thought**

**ARAB499T** *(PermReq)* **Special Topics in Arabic Studies: Contemporary Arab Political Thought; (3 credits)** Grade Method: REG/P-F/AUD.

Prerequisite: ARAB305 and permission of department.

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| 0101 | Alaa Elgibali | Seats (Total: 15) |
| | TuTh 2:00pm - 3:15pm | JMZ 2117 |

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**ARAB499V** **Special Topics in Arabic Studies; Fiction in Modern Arabic Literature- Folklore to Postmodernism**

**ARAB499V** *(PermReq)* **Special Topics in Arabic Studies: Fiction in Modern Arabic Literature- Folklore to Postmodernism; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARAB305 and permission of department. Taught in Arabic.

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|---|---|---|
| 0101 | Sayed Elsisi | Seats (Total: 15) |
| | TuTh 3:30pm - 4:45pm | JMZ 3120 |

**ARAB499X** **Special Topics in Arabic Studies; Introduction to Arabic Linguistics**

**ARAB499X** *(PermReq)* **Special Topics in Arabic Studies: Introduction to Arabic Linguistics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARAB305 and permission of department. Taught in Arabic.

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|---|---|---|
| 0101 | Peter Glanville | Seats (Total: 15) |
| | MW 2:00pm - 3:15pm | SQH 1123 |

**ARAB628R** **Special Topics in Arabic Studies; Readings in Arabic**
**Contact department for information to register for this course.**

**ARAB788** **Internship in Arabic**

**ARAB788 Internship in Arabic; (3 credits)** Grade Method: REG.

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|---|---|---|
| PCA1 | Instructor: TBA | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**ARAB789** **Independent Study in Arabic**

**ARAB789 Independent Study in Arabic; (1-3 credits)** Grade Method: REG.

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|---|---|---|
| PCA1 | Valerie Anishchenkova | Seats (Total: 8) |
| | Contact instructor or department for details. | |
| PCA2 | Valerie Anishchenkova | Seats (Total: 8) |
| | Contact instructor or department for details. | |

# ARCH Architecture Spring 2013

**ARCH101** **Foundations in Architecture**

**ARCH101 Foundations in Architecture; (1 credit)** Grade Method: REG/P-F. *Prerequisite: UNIV100; or permission of ARCH-School of Architecture, Planning, & Preservation. Restriction: Freshman standing.* To pursue any field of knowledge one must first begin with the basics. By learning the "language" of architecture one can explore the foundations of the architectural profession through interactive and experiential learning.

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|---|---|---|---|
| 0401 | Marisa Allen, John Rivers, Erica Aronson<br>Th 4:00pm - 5:50pm | Seats (Total: 18)<br>ARC 1123 | |
| 0501 | Marisa Allen, John Rivers, Erica Aronson<br>Th 2:00pm - 3:50pm | Seats (Total: 18)<br>ARC 1123 | |

**ARCH170** **Introduction to the Built Environment**

**ARCH170 Introduction to the Built Environment; (3 credits)** Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.
Introduction of conceptual, perceptual, behavioral, and technical aspects of the built environment, and methods of analysis, problem- solving, and implementation.

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|---|---|---|---|
| BL01 | Ronit Eisenbach<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am | Seats (Total: 25)<br>ARC 0204<br>ARC 1101 | Discussion |
| | *Blended Learning courses combine face-to-face and online interactions.* | | |
| BL02 | Ronit Eisenbach<br>MW 10:00am - 10:50am<br>W 12:00pm - 12:50pm | Seats (Total: 25)<br>ARC 0204<br>ARC 1101 | Discussion |
| | *Blended Learning courses combine face-to-face and online interactions.* | | |
| BL03 | Ronit Eisenbach<br>MW 10:00am - 10:50am<br>F 9:00am - 9:50am | Seats (Total: 25)<br>ARC 0204<br>ARC 1101 | Discussion |
| | *Blended Learning courses combine face-to-face and online interactions.* | | |
| BL04 | Ronit Eisenbach<br>MW 10:00am - 10:50am<br>Th 2:00pm - 2:50pm | Seats (Total: 25)<br>ARC 0204<br>ARC 1103 | Discussion |
| | *Blended Learning courses combine face-to-face and online interactions.* | | |

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| BL05 | Ronit Eisenbach<br>MW 10:00am - 10:50am<br>W 12:00pm - 12:50pm | Seats (Total: 25)<br>ARC 0204<br>ARC 1103 | <br><br>Discussion |
| | *Blended Learning courses combine face-to-face and online interactions.* | | |
| BL06 | Ronit Eisenbach<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am | Seats (Total: 25)<br>ARC 0204<br>ARC 1127 | <br><br>Discussion |
| | *Blended Learning courses combine face-to-face and online interactions.* | | |
| BL07 | Ronit Eisenbach<br>MW 10:00am - 10:50am<br>Tu 2:00pm - 2:50pm | Seats (Total: 25)<br>ARC 0204<br>ARC 1103 | <br><br>Discussion |
| | *Blended Learning courses combine face-to-face and online interactions.* | | |
| BL08 | Ronit Eisenbach<br>MW 10:00am - 10:50am<br>W 1:00pm - 1:50pm | Seats (Total: 25)<br>ARC 0204<br>ARC 1103 | <br><br>Discussion |
| | *Blended Learning courses combine face-to-face and online interactions.* | | |
| BL09 | Ronit Eisenbach<br>MW 10:00am - 10:50am<br>M 12:00pm - 12:50pm | Seats (Total: 25)<br>ARC 0204<br>ARC 1101 | <br><br>Discussion |
| | *Blended Learning courses combine face-to-face and online interactions.* | | |
| BL12 | Ronit Eisenbach<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am | Seats (Total: 25)<br>ARC 0204<br>ARC 1103 | <br><br>Discussion |
| | *Blended Learning courses combine face-to-face and online interactions.* | | |

**ARCH226** **History of World Architecture II**

**ARCH226 History of World Architecture II; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Sophomore standing or higher.* Survey of architectural history from 1000 to 1800.

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| 0101 | Cynthia Field<br>TuTh 9:00am - 10:15am | Seats (Total: 150)<br>ARC 0204 |

**ARCH242** **Basic Architectural Drawing**

**ARCH242 Basic Architectural Drawing; (3 credits)** Grade Method: REG. *Prerequisite: ARCH170; or permission of ARCH-School of Architecture, Planning, & Preservation.* The study of drawing as a learned skill with emphasis on observation, documentation, analysis, and synthesis. This introductory course immerses students in the conventions of architectural drawing (orthographics, isometrics, axonometrics, and linear perspective) primarily through freehand drawing.

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| 0101 | Lester Escobal<br>F 8:00am - 9:50am<br>F 10:00am - 11:50am | Seats (Total: 13)<br>ARC 0204<br>ARC 1121 | <br><br>Lab |
| 0102 | Lester Escobal<br>F 8:00am - 9:50am<br>F 12:00pm - 1:50pm | Seats (Total: 13)<br>ARC 0204<br>ARC 1121 | <br><br>Lab |
| 0103 | Lester Escobal<br>F 8:00am - 9:50am<br>M 9:00am - 10:50am | Seats (Total: 13)<br>ARC 0204<br>ARC 1121 | <br><br>Lab |
| 0104 | Lester Escobal<br>F 8:00am - 9:50am<br>M 11:00am - 12:50pm | Seats (Total: 13)<br>ARC 0204<br>ARC 1121 | <br><br>Lab |

**ARCH289I** **Sustainability at College Park**

**ARCH289I Sustainability at College Park; (3 credits)** Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Natural Sciences or Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

Explore the ways and the degrees to which UMCP campus master planning and operations incorporate principles of sustainability including smart growth, LEED and other building rating systems, higher education rating systems, sustainable agriculture and transportation planning. Among other subjects, students will learn about the Campus and the City of College Park and survey the relationship between local, national and global sustainability concerns. Students will learn about the University's Climate Action Plan and the roles, and extent to which, the campus Office of Sustainability and other campus units are helping develop a carbon-neutral and resource-efficient campus infrastructure and will tour selected facilities on campus.

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| 0101 | Ralph Bennett | Seats (Total: 60) | |
| | TuTh 4:30pm - 5:45pm | ARC 0204 | |

**ARCH401** **Architecture Studio II**

**ARCH401** *(PermReq)* **Architecture Studio II; (6 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in ARCH400. Restriction: Must be in Architecture (B.S.) program.* Continuation of ARCH 400 with introduction to building typology, urban and contextual issues, design of the vertical surface, and architectural interiors. Restricted to ARCH majors.

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| 0101 | Michael Ambrose | Seats (Total: 54) | |
| | MWF 2:00pm - 6:00pm | Location: TBA | Lab |

**ARCH403** **Architecture Studio IV**

**ARCH403 Architecture Studio IV; (6 credits)** Grade Method: REG/P-F/AUD.
GenEd: Fundamental Studies - Oral Communications.
*Prerequisite: Minimum grade of C- in ARCH402. Restriction: Must be in Architecture (B.S.) program.* Investigations into the relationship between the man-made and the natural world including introductory issues of assembly and material value. Design of the site and the building are combined into an integral process delimiting and probing the boundaries of each and exploring their reciprocal relationship. The architect's obligations to the natural and urban contexts are explored in many dimensions including historical, typological, environmental, and physical. Restricted to ARCH majors.

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| 0101 | Luis Diego Quiros Pacheco | Seats (Total: 56) | |
| | MWF 2:00pm - 6:00pm | Location: TBA | Lab |

**ARCH405** **Graduate Architecture Design Studio II**

**ARCH405 Graduate Architecture Design Studio II; (6 credits)** Grade Method: REG/AUD.
*Prerequisite: Minimum grade of C- in ARCH404. Restriction: Must be in Architecture (Master's) program.* Architectural design studio with emphasis on building and facade typologies, the development of architectural promenade and sequence, public and/or civic infill buildings dependent upon the architectural promenade, and urban housing types of varying densities. The architect's obligations to urban context are explored in many dimensions including historical, typological, and physical. Offered spring only.

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| 0101 | Isaac Williams | Seats (Total: 12) |
| | MWF 2:00pm - 6:00pm | Location: TBA |

**ARCH407** **Graduate Architecture Design IV**

**ARCH407 Graduate Architecture Design IV; (6 credits)** Grade Method: REG/AUD.
*Prerequisite: Minimum grade of C- in ARCH406. Restriction: Must be in Architecture (Master's) program.* Studio problems and theories concentrating on urbanism and urban design techniques. Issues and sites range from high-density urban in-fill to suburban and greenfield development in American and other contexts. Studio theories explore such topics as Contextualism, Neo-Traditional design, Transit Oriented Development, density, sustainable development, building typology, and street design.

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|---|---|---|
| 0101 | Michael Stanton | Seats (Total: 12) |
| | MWF 2:00pm - 6:00pm | Location: TBA |

**ARCH411** **Technology II**

**ARCH411 Technology II; (4 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ARCH410. Corequisite: ARCH401. Restriction: Must be in Architecture (B.S.) program.* Second course in a four course sequence. Building construction processes and terminology; use and performance characteristics of primary building materials; principles of structural behavior related to the building systems; equilibrium and stability, stiffness and strength, types of stress, distribution of force and stress, resolution of forces, reactions, bending moments, shear, deflection, buckling. Restricted to ARCH majors.

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| 0101 | Powell Draper | Seats (Total: 66) |
| | TuTh 10:30am - 12:15pm | ARC 0204 |

**ARCH413** **Architecture Technology IV**

**ARCH413 Architecture Technology IV; (4 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: ARCH412. Corequisite: ARCH403. Restriction: Must be in Architecture (B.S.) program.* Final course in a four course sequence. Theory, quantification, and architectural design applications for HVAC, water systems, fire protection electrical systems, illumination, signal equipment, and transportation systems. Restricted to ARCH majors.

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| 0101 | Carl Bovill | Seats (Total: 66) |
| | TuTh 2:00pm - 3:45pm | ARC 0204 |

**ARCH423** **History of Roman Architecture**

**ARCH423 History of Roman Architecture; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Permission of ARCH-School of Architecture, Planning, & Preservation.* Survey of Roman architecture from 500 B.C. To A.D. 325.

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| 0101 | Robert Vann | Seats (Total: 30) |
| | TuTh 12:30pm - 1:45pm | ARC 1103 |

**ARCH427** **Theories of Architecture**

**ARCH427 Theories of Architecture; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: ARCH426; or permission of ARCH-School of Architecture, Planning, & Preservation. Restriction: Must be in Architecture (B.S.) program.* Selected historical and modern theories of architectural design. Restricted to ARCH, URPD or ARCP majors.

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|---|---|---|
| 0101 | Michele Lamprakos | Seats (Total: 12) |
| | Tu 3:00pm - 6:50pm | ARC 1103 |
| | *Section 0101 is for 3 1/2 year graduate students only.* | |

**ARCH428B** **Selected Topics in Architectural History; History of British Architecture, Urbanism and Landscape**
**Contact department for information to register for this course.**

**ARCH428J** **Selected Topics in Architectural History; History of Japanese Architecture**

**ARCH428J Selected Topics in Architectural History: History of Japanese Architecture; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as ARCH628J.

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| 0101 | Robert Vann | Seats (Total: 10) |
| | Tu 7:30pm - 10:00pm | ARC 1123 |

**ARCH433** **History of Renaissance Architecture**

**ARCH433 History of Renaissance Architecture; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ARCH221; or permission of ARCH-School of Architecture, Planning, & Preservation.* Renaissance architectural principles and trends in the 15th and 16th centuries and their modifications in the Baroque period.

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|---|---|---|
| 0101 | Brian Kelly | Seats (Total: 30) |
| | TuTh 12:30pm - 1:45pm | ARC 1101 |

**ARCH445** **Visual Analysis of Architecture**

**ARCH445 Visual Analysis of Architecture; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ARCH400; or permission of ARCH-School of Architecture, Planning, & Preservation. Restriction: Must be in Architecture (B.S.) program.* Study of visual principles of architectural and urban precedents through graphic analysis. Exercises include on-site observation, documentation and analysis. Focuses on the development of an architect's sketchbook as a tool for life-long learning.

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| 0101 | Devin Kimmel | Seats (Total: 25) |
| | M 10:00am - 10:50am | ARC 1103 |
| | W 10:00am - 11:50am | ARC 1103 |

**ARCH460** **Site Analysis and Design**

**ARCH460** *(PermReq)* **Site Analysis and Design; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ARCH400; or permission of ARCH-School of Architecture, Planning, & Preservation.* Principles and methods of site analysis; the influence of natural and man-made site factors on site design and architectural form.

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| 0101 | Devin Kimmel<br>Tu 4:00pm - 7:00pm | Seats (Total: 35)<br>ARC 1105 |

**ARCH461** **Sustainability in Architecture**

**ARCH461 Sustainability in Architecture; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: ARCH401; and ARCH410. Or permission of ARCH-School of Architecture, Planning, & Preservation. Credit only granted for: ARCH418S or ARCH461. Formerly: ARCH418S.* Strategies of sustainability as related to the broader context of architectural problem solving.

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| 0101 | Carl Bovill<br>MW 11:00am - 12:15pm | Seats (Total: 25)<br>ARC 1105 |

**ARCH470** **Computer Applications in Architecture**

**ARCH470** *(PermReq)* **Computer Applications in Architecture; (3 credits)** Grade Method: REG.
*Prerequisite: ARCH400; or permission of ARCH-School of Architecture, Planning, & Preservation. Restriction: Must be in Architecture (B.S.) program.* Introduction to computer utilization, with emphasis on architectural applications. Restricted to ARCH majors.

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| 0101 | John Talbott<br>TuTh 2:00pm - 3:50pm | Seats (Total: 19)<br>ARC 1115 |

**ARCH478C** **Selected Topics in Architecture; Careers in Architecture**

**ARCH478C** *(PermReq)* **Selected Topics in Architecture: Careers in Architecture; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to ARCH majors.

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| 0101 | Albert Rubeling<br>Tu 4:00pm - 6:30pm | Seats (Total: 19)<br>ARC 1123 |

**ARCH478Q** **Selected Topics in Architecture; Bridge Design**

**ARCH478Q Selected Topics in Architecture: Bridge Design; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Powell Draper<br>Th 7:00pm - 10:00pm | Seats (Total: 15)<br>ARC 1123 | |

**ARCH601** **Topical Studio**

**ARCH601 Topical Studio; (6 credits)** Grade Method: REG/AUD.
*Prerequisite: ARCH600. Restriction: Must be in Architecture (Master's) program.* Topical architectural design studio with concentration on advanced theoretical, programmatic, contextual, and/or technical issues, with topical inquiry addressing but not limited to: architectural competitions, housing, sustainable design, collegiate architecture, regional architecture, classicism versus modernity. Restricted to ARCH, URPD or ARCP majors.

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| 0101 | David Cronrath<br>MWF 2:00pm - 6:00pm | Seats (Total: 27)<br>Location: TBA | <br>Lab |

**ARCH628B** **Selected Topics in Architectural History; Housing Seminar**

**ARCH628B** *(PermReq)* **Selected Topics in Architectural History: Housing Seminar; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Isabelle Gournay<br>Tu 7:00pm - 9:30pm | Seats (Total: 15)<br>ARC 1121 |

**ARCH628J** **Selected Topics in Architectural History; History of Japanese Architecture**

**ARCH628J Selected Topics in Architectural History: History of Japanese Architecture; (3 credits)** Grade Method: REG/AUD.
Also offered as ARCH428J.

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|---|---|---|
| 0101 | Robert Vann<br>Tu 7:30pm - 10:00pm | Seats (Total: 10)<br>ARC 1123 |

**ARCH635** **Seminar in the History of Modern Architecture**

**ARCH635 Seminar in the History of Modern Architecture; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ARCH427; or permission of ARCH-School of Architecture, Planning, & Preservation.* Advanced investigation of historical problems in modern architecture.

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| 0101 | Isabelle Gournay<br>M 7:00pm - 9:30pm | Seats (Total: 19)<br>ARC 1121 |

**ARCH655** **Urban Design Seminar**

**ARCH655 Urban Design Seminar; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ARCH654; or permission of ARCH-School of Architecture, Planning, & Preservation. Credit only granted for: ARCH451 or ARCH655. Formerly: ARCH451.* Advanced investigation into problems of analysis and evaluation of the design of urban areas, spaces, and complexes with emphasis on physical and social considerations; effects of public policies through case studies. Field observations.

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| 0101 | Matthew Bell<br>Th 7:00pm - 10:00pm | Seats (Total: 12)<br>ARC 1121 |

**ARCH670** **Advance Comprehensive Computer Technology in Architecture**

**ARCH670 Advance Comprehensive Computer Technology in Architecture; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ARCH403; and ARCH470. Or students who have taken courses with comparable content may contact the department. Credit only granted for: ARCH678C or ARCH670. Formerly: ARCH678C.* Comprehensive use of computer technology in the design process. Use of digital versus analog modeling to study design alternatives. Methods of representation to best convey concepts and integration of technology.

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| 0101 | Michael Ambrose<br>Tu 7:00pm - 9:30pm | Seats (Total: 15)<br>ARC 1115 |

**ARCH678** **Selected Topics in Architecture**

**ARCH678** *(PermReq)* **Selected Topics in Architecture; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Restricted to ARCH majors only.

**Contact department for information to register for this course.**

**ARCH678Q** **Selected Topics in Architecture; Bridge Design**

**ARCH678Q Selected Topics in Architecture: Bridge Design; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Powell Draper<br>Th 7:00pm - 10:00pm | Seats (Total: 15)<br>ARC 1123 |

**ARCH678Z** **Selected Topics in Architecture; Sensing Architecture: Body & Place**

**ARCH678Z Selected Topics in Architecture: Sensing Architecture: Body & Place; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Peter Noonan<br>Th 7:00pm - 10:00pm | Seats (Total: 12)<br>ARC 1127 |

**ARCH797** **Thesis Proseminar**

**ARCH797 Thesis Proseminar; (3 credits)** Grade Method: REG/AUD. *Prerequisite: ARCH601.* Directed research and preparation of thesis program.

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| 0101 | Garth Rockcastle<br>Th 10:00am - 12:00pm | Seats (Total: 15)<br>ARC 1121 |

**ARCH798** **Thesis in Architecture**

**ARCH798** *(PermReq)* **Thesis in Architecture; (3 credits)** Grade Method: REG. Restricted to ARCH, or ARCP majors. Prerequisite: ARCH 797

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| 0101 | Madlen Simon<br>Tu 2:00pm - 6:00pm | Seats (Total: 15)<br>ARC 1121 |
| 0201 | Madlen Simon<br>Th 2:00pm - 6:00pm | Seats (Total: 10)<br>ARC 1121 |

**ARCH799** **Master's Thesis Research**

**ARCH799 Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number. Restricted to ARCH majors only.

**Contact department for information to register for this course.**

# AREC Agricultural and Resource Economics Spring 2013

**AREC200** **The Chesapeake Bay Ecosystem: Intersection of Science, Economics, and Policy**

**AREC200 The Chesapeake Bay Ecosystem: Intersection of Science, Economics, and Policy; (3 credits)** Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. GenEd: Distributive Studies - Natural Sciences or Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
The Chesapeake Bay is one of the most studied and monitored ecosystems in the world. To develop effective policies to restore this system to a healthier status requires integrating what we know about the biological and physical properties of the system with our understanding of the human dimension. Issues such as achieving nutrient reduction goals, restoring healthy blue crab and oyster fisheries in the bay will be used to demonstrate how economics interacts with science to guide policies that can be effective in achieving Bay restoration goals.
***A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/**** Click here for more Marquee course information.

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| 0101 | Douglas Lipton<br>MW 11:00am - 11:50am<br>F 11:00am - 11:50am | Seats (Total: 35)<br>SHM 2102<br>CHM 1224 | <br><br>Discussion |
| 0102 | Douglas Lipton<br>MW 11:00am - 11:50am<br>F 11:00am - 11:50am | Seats (Total: 35)<br>SHM 2102<br>PLS 1113 | <br><br>Discussion |
| 0103 | Douglas Lipton<br>MW 11:00am - 11:50am<br>F 12:00pm - 12:50pm | Seats (Total: 35)<br>SHM 2102<br>PLS 1113 | <br><br>Discussion |
| 0104 | Douglas Lipton<br>MW 11:00am - 11:50am<br>F 1:00pm - 1:50pm | Seats (Total: 35)<br>SHM 2102<br>PLS 1111 | <br><br>Discussion |

**AREC240** **Introduction to Economics and the Environment**

**AREC240 Introduction to Economics and the Environment; (4 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Costs and social impacts of pollution and human crowding in the modern environment. The economic, legal and institutional causes of these problems. Public policy approaches to solutions and the costs and benefits of alternative solutions.

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| 0101 | Roberton Williams<br>TuTh 2:00pm - 3:15pm<br>M 1:00pm - 1:50pm | Seats (Total: 40)<br>PLS 1140<br>WDS 1114 | <br><br>Discussion |
| 0102 | Roberton Williams<br>TuTh 2:00pm - 3:15pm<br>M 2:00pm - 2:50pm | Seats (Total: 40)<br>PLS 1140<br>WDS 1114 | <br><br>Discussion |

**AREC365** **World Hunger, Population, and Food Supplies**

**AREC365 World Hunger, Population, and Food Supplies; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.
An introduction to the problem of world hunger and possible solutions to it. World demand, supply, and distribution of food. Alternatives for leveling off world food demand, increasing the supply of food, and improving its distribution. Environmental limitations to increasing world food production.

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| 0101 | Howard Leathers<br>MWF 11:00am - 11:50am | Seats (Total: 286)<br>PHY 1412 |

**AREC382** **Computer-Based Analysis in Agricultural and Resource Economics**

**AREC382 Computer-Based Analysis in Agricultural and Resource Economics; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: STAT100 or MATH111; or students who have taken courses with comparable content may contact the department. And AREC240, ECON200, or AREC250; or students who have taken courses with comparable content may contact the department. Credit only granted for: AREC182 or AREC382. Formerly: AREC182.*
Analysis of economic data using computer spreadsheets. Exercises include analyses of forest land shares, farmer willingness to pay, farm production planning, fisheries management, corn prices, and index numbers. Analyses features use of cell formulas, spreadsheet functions, Excel's Data Analysis Tool and Solver. This is a lab course featuring experimental learning.

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| 0101 | Anna Alberini<br>MW 1:00pm - 2:15pm | Seats (Total: 30)<br>PLS 1129 |

**AREC386** **Experiential Learning**

**AREC386** *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: Permission of AGNR-Agricultural & Resource Economics department.*
*Restriction: Junior standing or higher.*

**Contact department for information to register for this course.**

**AREC388** **Honors Thesis Research**

**AREC388** *(PermReq)* **Honors Thesis Research; (3-6 credits)** Grade Method: REG.

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| 0401 | Robert Chambers<br>Contact instructor or department for details. | Seats (Total: 5) |
| 3103 | Kenneth Leonard<br>Contact instructor or department for details. | Seats (Total: 5) |
| 3104 | Ramon Lopez<br>Contact instructor or department for details. | Seats (Total: 5) |

**AREC399** **Special Problems**

**AREC399 Special Problems; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**AREC405** **Economics of Production**

**AREC405 Economics of Production; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: ECON326 or ECON306; or students who have taken courses with comparable content may contact the department. Restriction: Must be in one of the following programs (Agricultural and Resource Economics; Environmental Science & Policy-Env Economics; Agricultural and Resource Economics: Agribusiness) ; or must be minors in Agribusiness Economics (#AG01), Environmental Economics and Policy (#AG02), or Resource and Agricultural Policy in Economic Development (#AG03).* The use and application of production economics in analysis of firm and policy decisions. Production functions, cost functions, multiple product and joint production, and production processes through time.

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| 0101 | Robert Chambers | Seats (Total: 45) |
| | TuTh 2:00pm - 3:15pm | HBK 0103 |

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**AREC427** **Economics of Commodity Marketing Systems**

**AREC427 Economics of Commodity Marketing Systems; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ECON326 or ECON306; or students who have taken courses with comparable content may contact the department. Restriction: Must be in one of the following programs (Agricultural and Resource Economics; Environmental Science & Policy-Env Economics; Agricultural and Resource Economics: Agribusiness) ; or must be minors in Agribusiness Economics (#AG01), Environmental Economics and Policy (#AG02), or Resource and Agricultural Policy in Economic Development (#AG03).*
Basic economic theory as applied to the marketing of agricultural commodities. Current developments affecting market structure including contractual arrangements, cooperative marketing, vertical integration, and governmental policies.

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| 0101 | Howard Leathers | Seats (Total: 30) |
| | MWF 10:00am - 10:50am | CHM 1228 |

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**AREC435** **Commodity Futures and Options**

**AREC435 Commodity Futures and Options; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: (BMGT230; or ECON321); and (ECON306; or ECON326). Or students who have taken courses with comparable content may contact the department. Restriction: Must be in one of the following programs (Agricultural and Resource Economics; Environmental Science & Policy-Env Economics; Agricultural and Resource Economics: Agribusiness) ; or must be minors in Agribusiness Economics (#AG01), Environmental Economics and Policy (#AG02), or Resource and Agricultural Polcy in Economic Development (#AG03).* The economics and institutional features of commodity futures and options markets. Students will develop a basic understanding of the underlying price relationships between cash and futures markets and will apply this information to business risk management decision making.

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|---|---|---|
| 0101 | Instructor: TBA | Seats (Total: 40) |
| | TuTh 12:30pm - 1:45pm | MMH 0108 |

**AREC489G** **Special Topics in Agricultural and Resources Economics; Sustainable Economic Development**

**AREC489G Special Topics in Agricultural and Resources Economics: Sustainable Economic Development; (3 credits)** Grade Method: REG/P-F/AUD.
ECON306 or ECON326. The course will examine why socially equitable and environmentally sustainable economic growth is difficult to achieve. It explores the interactive dynamics of environmental degradation, human capital, inequality and institutions. Emphasis is on the role of market imperfections and political failure in explaining the persistence of extractive economic institutions that hinder sustainable development.

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|---|---|---|
| 0101 | Ramon Lopez | Seats (Total: 50) |
| | TuTh 5:00pm - 6:15pm | SYM 0200 |

**AREC610** **Microeconomic Applications in Agricultural and Resource Markets**

**AREC610 Microeconomic Applications in Agricultural and Resource Markets; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ECON603.* Applications of graduate level microeconomic analysis to the problems of agricultural and natural resource production and distribution including demand for agricultural output, the nature of agricultural supply decisions, decision making under uncertainty, valuation of natural resources, and exploitation of natural resources.

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|---|---|---|---|
| 0101 | Robert Chambers | Seats (Total: 25) | |
| | TuTh 9:30am - 10:45am | SYM 0209 | |
| | Contact instructor or department for details. | | |

**AREC624** **Applied Econometrics II**

**AREC624 Applied Econometrics II; (4 credits)** Grade Method: REG/AUD. *Prerequisite: AREC623.* Variations of the standard linear model, simultaneous equations estimation, nonlinear regression, nonlinear simultaneous equations estimation, static and dynamic panel data models, errors in variables, Hausman tests, discrete choice models such as conditional multinomial and mixed logit models, latent class models, semi-parametric estimation, varying parameter models, unobserved variables, time series models, and model selection procedures.

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|---|---|---|---|
| 0101 | Anna Alberini, Richard Just | Seats (Total: 30) | |
| | MW 10:00am - 12:30pm | SYM 0215 | |
| | F 10:00am - 12:00pm | SYM 0215 | Discussion |

**AREC645** **Environment and Development Economics**

**AREC645 Environment and Development Economics; (3 credits)** Grade Method: REG/AUD.
*Also offered as: AREC845. Credit only granted for: AREC645 or AREC845.* Considers neoclassical and endogenous growth models; international trade theory; the role of property right institutions and factor markets; the environmental impact of trade liberalization in developing countries and the environmental effects of increasing international capital mobility; empirical studies relating the environment to growth and globalization; and policy analyses.

| | | |
|---|---|---|
| 0101 | Ramon Lopez | Seats (Total: 20) |
| | TuTh 12:30pm - 1:45pm | SYM 0209 |

**AREC699** **Special Problems in Agricultural and Resource Economics**

**AREC699** *(PermReq)* **Special Problems in Agricultural and Resource Economics; (1-2 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**AREC799** **Master's Thesis Research**

**AREC799** *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**AREC845** **Environment and Development Economics**

**AREC845 Environment and Development Economics; (3 credits)** Grade Method: REG/AUD.
*Also offered as: AREC645. Credit only granted for: AREC645 or AREC845.* Considers neoclassical and endogenous growth models; international trade theory; the role of property right institutions and factor markets; the environmental impact of trade liberalization in developing countries and the environmental effects of increasing international capital mobility; empirical studies relating the environment to growth and globalization; and policy analyses.

| | | |
|---|---|---|
| 0101 | Ramon Lopez | Seats (Total: 20) |
| | TuTh 12:30pm - 1:45pm | SYM 0209 |

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**AREC869K** **Advanced Topics in Agricultural and Resource Economics; Introduction to Prospectus Writing II**

**AREC869K Advanced Topics in Agricultural and Resource Economics: Introduction to Prospectus Writing II; (1 credit)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Richard Just | Seats (Total: 22) |
| | Contact instructor or department for details. | |

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**AREC869W** **Advanced Topics in Agricultural and Resource Economics; Environmental Taxation and Regulation**

**AREC869W Advanced Topics in Agricultural and Resource Economics: Environmental Taxation and Regulation; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Roberton Williams | Seats (Total: 20) |
| | TuTh 11:00am - 12:15pm | HBK 1108 |

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**AREC898** **Pre-Candidacy Research**

**AREC898** *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**AREC899** **Doctoral Dissertation Research**

**AREC899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

## ARHU Arts and Humanities Spring 2013

**ARHU269V** **Special Topics in Study Abroad II; Vienna and Budapest Field Study**
**Contact department for information to register for this course.**

**ARHU286** **Experiential Learning**

**ARHU286** *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. *Prerequisite: Permission of ARHU-College of Arts & Humanities. Restriction: Minimum cumulative GPA of 2.5; and must be in a major in ARHU-College of Arts & Humanities; and must have earned a minimum of 12 credits.* Designed for ARHU students who wish to complete an internship in one of the academic fields covered within the College of Arts and Humanities. In addition to completing their required hours on site, students will be required to attend four weekly seminars at the beginning of the semester to help develop their para-professional goals and understandings.

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|---|---|---|
| 0101 | Paula Nadler | Seats (Total: 20) |
| | Contact instructor or department for details. | |

**ARHU318A** **Writers' House Colloquium: Creative Writing Across Languages and Cultures; Poetry Colloquium**

**ARHU318A** *(PermReq)* **Writers' House Colloquium: Creative Writing Across Languages and Cultures: Poetry Colloquium; (1 credit)** Grade Method: REG. Restricted to Jimenez-Porter Writers' House Students.

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|---|---|---|
| 0101 | Sara Burnett | Seats (Total: 15) |
| | M 4:30pm - 6:00pm | DOR 0128 |

**ARHU318B** **Writers' House Colloquium: Creative Writing Across Languages and Cultures; Prose Colloquium**

**ARHU318B** *(PermReq)* **Writers' House Colloquium: Creative Writing Across Languages and Cultures: Prose Colloquium; (1 credit)** Grade Method: REG.
Restricted to Jimenez-Porter Writers' House Students

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|---|---|---|
| 0101 | Jesse Brooks | Seats (Total: 15) |
| | W 7:00pm - 8:30pm | DOR 0128 |

**ARHU318C** **Writers' House Colloquium: Creative Writing Across Languages and Cultures**

**ARHU318C** *(PermReq)* **Writers' House Colloquium: Creative Writing Across Languages and Cultures; (1 credit)** Grade Method: REG.
Restricted to Jimenez-Porter Writers' House Students

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|---|---|---|
| 0101 | Sara Burnett, Jesse Brooks | Seats (Total: 15) |
| | F 2:00pm - 3:30pm | DOR 0128 |

**ARHU319A** **Writers' House Second Year Colloquium: Form and Theory of Creative Writing; Writing for Publication**

**ARHU319A** *(PermReq)* **Writers' House Second Year Colloquium: Form and Theory of Creative Writing: Writing for Publication; (3 credits)** Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
Restricted to Jimenez-Porter Writer's House students.

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|---|---|---|
| 0101 | Johnna Schmidt | Seats (Total: 20) |
| | W 4:30pm - 7:00pm | DOR 0128 |
| | Contact instructor or department for details. | |

**ARHU338** **Undergraduate Teaching Assistantship in the Writers' House**

**ARHU338** *(PermReq)* **Undergraduate Teaching Assistantship in the Writers' House; (3 credits)** Grade Method: REG.

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|---|---|---|
| 0101 | Johnna Schmidt | Seats (Total: 2) |
| | Contact instructor or department for details. | |

**ARHU386** **Experiential Learning**

**ARHU386** *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. GenEd: Distributive Studies - Scholarship in Practice.
*Prerequisite: Permission of ARHU-College of Arts & Humanities. Restriction: Junior standing or higher.*

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|---|---|---|
| 0201 | Paula Nadler | Seats (Total: 20) |
| | Contact instructor or department for details. | |

**ARHU439J** **Interdisciplinary Studies in Arts and Humanities; Social Activism and Popular Culture**

**ARHU439J** *(PermReq)* **Interdisciplinary Studies in Arts and Humanities: Social Activism and Popular Culture; (3 credits)** Grade Method: REG/P-F/AUD.
This is a blended learning course covering topics related to social activism and popular culture both online and in the classroom. It is the first semester of the College of Arts and Humanities Social Innovation Scholars program taken in the spring, in which they will learn about social innovation and the public discourse and be paired with a mentor from a non-profit organization. There is also a summer internship and a fall course in which they will implement their innovation. Participation is by application and permission only. To enroll, students must contact the ARHU advising office in 1120 Francis Scott Key, x5-2108. AMST majors are eligible for ARHU439J only.

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|---|---|---|
| BL01 | Sheri Parks | Seats (Total: 15) |
| | W 2:00pm - 4:30pm | KEY 1102J |
| | Class time/details on ELMs | ONLINE |

**ARHU468** **Peer Mentoring Program**

**ARHU468** *(PermReq)* **Peer Mentoring Program; (1 credit)** Grade Method: REG.
Restricted to ARHU upperclassmen who will serve as peer mentors to help transition new students to the university. Interested students must apply to become a peer mentor. Click here for more information.

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| 0101 | J Greene | Seats (Total: 50) |
| | M 4:00pm - 5:30pm | KEY 0103 |

**ARHU486** **Internship Practicum in Arts and Humanities**

**ARHU486** *(PermReq)* **Internship Practicum in Arts and Humanities; (3-6 credits)**
Grade Method: REG/P-F.
*Prerequisite: Have completed previous internship at U of MD. Restriction: Must be in a major in ARHU-College of Arts & Humanities; and permission of ARHU-College of Arts & Humanities; and minimum cumulative GPA of 2.5; and must have earned a minimum of 60 credits; and completed 12 credits at U of MD.* An internship intended for students who have already completed an internship for credit. ARHU486 must be a different experience from the internship students have already taken for credit. Generally students intern with a different company, but they may continue working for the same company if the job is significantly different. See ARHU internship coordinator for details.

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|---|---|---|
| 0101 | Paula Nadler | Seats (Total: 20) |
| | Contact instructor or department for details. | |

**ARHU786** **Leadership and Professional Development Internship**

**ARHU786** *(PermReq)* **Leadership and Professional Development Internship; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: Must have completed one semester of full-time graduate study; and permission of ARHU-College of Arts & Humanities.* Professional development for graduate students interested in careers in non-academic organizations and in administrative positions in academic institutions. See department graduate program director for internship guidelines and applicability to graduate program requirements.

**Contact department for information to register for this course.**

# ARMY Army Spring 2013

**ARMY102** **Basic Military Science II**

**ARMY102 Basic Military Science II; (1 credit)** Grade Method: REG/P-F/AUD.
The continuation of the exploration of leadership application through classroom instruction, leadership training and mentorship, adventure exercises and camaraderie.

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|---|---|---|---|
| 0101 | Curtis Burrell | Seats (Total: 40) | |
| | W 1:00pm - 1:50pm | COL 0100 | |
| | Th 4:00pm - 6:00pm | COL 0100 | Lab |

**ARMY104** **Basic Army Physical Fitness II**

**ARMY104 Basic Army Physical Fitness II; (2 credits)** Grade Method: REG/P-F/AUD.
*Recommended: ARMY102.* This course expands knowledge and proficiency in Basic Army Physical Fitness. Through a continued progressive, rigorous workouts, students improve individual fitness levels to exceed the Army Physical Fitness Test requirements. Course content also continues exploration of managerial skills and basic military tactics and techniques.

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|---|---|---|---|
| 0101 | Curtis Burrell | Seats (Total: 100) | |
| | MWTh 6:30am - 7:30am | COL 0100 | Lab |

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**ARMY202** **Military Leadership in Practice**

**ARMY202 Military Leadership in Practice; (3 credits)** Grade Method: REG/P-F/AUD.
*Recommended: ARMY201. Restriction: Sophomore standing or higher.* This course uses the case study method to examine the Army Leadership Model as applied to assigned missions in U.S. history. Students learn to evaluate and assimilate effective leadership methods and techniques. Includes a laboratory period in which case studies are worked out and presented by individuals and groups.

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|---|---|---|---|
| 0102 | Terrence McCall | Seats (Total: 40) | |
| | Tu 2:00pm - 3:50pm | COL 0101 | |
| | Th 4:00pm - 6:00pm | JMZ 2206 | Lab |
| | MWTh 6:30am - 7:30am | COL 0100 | Lab |

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**ARMY302** **Advanced Military Leadership II**

**ARMY302** *(PermReq)* **Advanced Military Leadership II; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Permission of UGST-Army ROTC. Restriction: Junior standing or higher.* Prepares contracted students for certification at the Army National Advance Camp, a prerequisite for commissioning as an officer in the U.S. Army. Focus is directed to military tactics, squad and platoon drills, marksmanship, land navigation and fitness excellence. Includes a laboratory period in applied leadership skills as well as a three day field exercise.

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|---|---|---|---|
| 0101 | Terrence McCall | Seats (Total: 40) | |
| | Tu 3:30pm - 6:15pm | JMZ 2206 | |
| | Th 4:00pm - 6:00pm | COL 0102 | Lab |
| | MWTh 6:30am - 7:30am | COL 0100 | Lab |

**ARMY402** **Advanced Military Leadership IV**

**ARMY402** *(PermReq)* **Advanced Military Leadership IV; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Permission of UGST-Army ROTC. Restriction: Senior standing.* The military system and code of ethics in the military environment is studied. Topics include code of conduct during all forms of military operations, the Geneva Conventions and the ethical decision making process. Also includes a laboratory in applied leadership skills, fitness excellence and two field exercises.

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|---|---|---|---|
| 0101 | Curtis Burrell | Seats (Total: 30) | |
| | MW 1:00pm - 2:30pm | COL 0102 | |
| | Th 4:00pm - 6:00pm | COL 0101 | Lab |
| | MWTh 6:30am - 7:30am | COL 0100 | Lab |

# ARSC Air Science Spring 2013

**ARSC059** **Air Force Officer Lab**

**ARSC059 Air Force Officer Lab; (1 credit)** Grade Method: S-F.

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|---|---|---|---|
| 0101 | Vaughn Gonzalez | Seats (Total: 250) | |
| | Th 7:00am - 8:50am | COL 3109 | |

**ARSC101** **The USAF Today II**

**ARSC101 The USAF Today II; (1 credit)** Grade Method: REG.
*Corequisite: AFROTC cadets must also register for ARSC059.* Freshman course for AFROTC. Continuation of ARSC100 for freshmen AFROTC cadets. Study of topics relating to the Air Forces and defense. Focuses on organizational structure and missions of the Air Force; officership and an introduction to both written and oral communication skills.

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| 0101 | Lucas Matyi | Seats (Total: 18) | |
| | Tu 9:00am - 9:50am | COL 2126 | |

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|---|---|---|
| 0102 | Lucas Matyi<br>Th 9:00am - 9:50am | Seats (Total: 50)<br>TWS 1100 |
| 0103 | Lucas Matyi<br>Th 12:00pm - 12:50pm | Seats (Total: 18)<br>COL 0102 |

**ARSC201** **The Development of Air Power II**

**ARSC201 The Development of Air Power II; (1 credit)** Grade Method: REG. *Corequisite: AFROTC cadets must also register for ARSC059.* Continuation of ARSC 200 for sophomore AFROTC cadets. The study of historical events, leaders, and technical developments which surrounded the growth of air power; the basics of leadership; environment of an Air Force officer; and concepts of ethical behavior.

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|---|---|---|
| 0101 | Dan Shaltanis<br>Th 10:00am - 10:50am | Seats (Total: 49)<br>COL 0101 |
| 0103 | Marilyn Jenkins<br>Tu 8:00am - 8:50am | Seats (Total: 25)<br>COL 2126 |

**ARSC301** **Management and Leadership II**

**ARSC301** *(PermReq)* **Management and Leadership II; (3 credits)** Grade Method: REG/P-F/AUD.
*Corequisite: AFROTC cadets must also register for ARSC059; or permission of UGST-AFROTC-Air Science. Restriction: Junior standing or higher.* Continuation of ARSC300. Study of leadership and management skills and leadership ethics as well as written and oral communication skills required of Air Force officers. This course will satisfy credit towards a minor in military studies.

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|---|---|---|
| 0101 | Vaughn Gonzalez<br>Th 9:00am - 12:00pm | Seats (Total: 21)<br>COL 2126 |
| 0102 | Vaughn Gonzalez<br>Th 12:30pm - 2:00pm<br>Tu 12:30pm - 2:00pm | Seats (Total: 21)<br>COL 2126<br>COL 2126 |

**ARSC399** **Independent Study in Air and Space Power Implementation**

**ARSC399 Independent Study in Air and Space Power Implementation; (1-3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Jiemin Hou | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**ARSC401** **National Security Forces in Contemporary American Society II**

**ARSC401** *(PermReq)* **National Security Forces in Contemporary American Society II; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ARSC300 or ARSC301; or permission of UGST-AFROTC-Air Science. Corequisite: ARSC059; or permission of UGST-AFROTC-Air Science. Restriction: Senior standing.* This course examines various subjects including: military law/justice, preparation for active duty, and current issues affecting military professionalism. This course will satisfy credit towards a minor in military studies.

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|---|---|---|
| 0101 | Jiemin Hou | Seats (Total: 30) |
| | Th 9:00am - 12:00pm | COL 0102 |
| 0102 | Jiemin Hou | Seats (Total: 18) |
| | TuTh 2:00pm - 3:30pm | COL 2126 |

## ARTH Art History & Archaeology Spring 2013

**ARTH169B** **Special Topics in Study Abroad I; Arts of Modernity**
**Contact department for information to register for this course.**

**ARTH169I** **Special Topics in Study Abroad I; Art of Rome**
**Contact department for information to register for this course.**

**ARTH200** **Art and Society in Ancient and Medieval Europe and the Mediterranean**

**ARTH200 Art and Society in Ancient and Medieval Europe and the Mediterranean; (3 credits)** Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Examines the material culture and visual expressions of Mediterranean and European societies from early times until ca. 1300 CE, emphasizing the political, social, and religious context of the works studied, the relationships of the works to the societies that created them, and the interrelationship of these societies.

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|---|---|---|---|
| 0101 | Marjorie Venit<br>TuTh 11:00am - 11:50am<br>M 11:00am - 11:50am | Seats (Total: 28)<br>ASY 2203<br>ASY 3215 | Discussion |
| 0102 | Marjorie Venit<br>TuTh 11:00am - 11:50am<br>W 11:00am - 11:50am | Seats (Total: 28)<br>ASY 2203<br>ASY 3211 | Discussion |
| 0103 | Marjorie Venit<br>TuTh 11:00am - 11:50am<br>Tu 9:30am - 10:20am | Seats (Total: 28)<br>ASY 2203<br>ASY 3219 | Discussion |
| 0104 | Marjorie Venit<br>TuTh 11:00am - 11:50am<br>W 9:00am - 9:50am | Seats (Total: 28)<br>ASY 2203<br>ASY 3219 | Discussion |
| 0105 | Marjorie Venit<br>TuTh 11:00am - 11:50am<br>M 10:00am - 10:50am | Seats (Total: 28)<br>ASY 2203<br>ASY 3219 | Discussion |
| 0106 | Marjorie Venit<br>TuTh 11:00am - 11:50am<br>M 9:00am - 9:50am | Seats (Total: 28)<br>ASY 2203<br>ASY 3211 | Discussion |

**ARTH201** **Art and Society in the West from the Renaissance to the Present**

**ARTH201 Art and Society in the West from the Renaissance to the Present; (3 credits)** Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies. Examines representative European and American works of art from the later Middle Ages to the present, highlighting the dynamic exchange between artistic and cultural traditions both within periods and across time.

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| 0101 | Anthony Colantuono<br>MW 9:00am - 9:50am<br>M 10:00am - 10:50am | Seats (Total: 28)<br>ASY 2203<br>ASY 3211 | Discussion |
| 0102 | Anthony Colantuono<br>MW 9:00am - 9:50am<br>F 9:00am - 9:50am | Seats (Total: 28)<br>ASY 2203<br>ASY 3207 | Discussion |

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|---|---|---|---|
| 0103 | Anthony Colantuono<br>MW 9:00am - 9:50am<br>W 10:00am - 10:50am | Seats (Total: 28)<br>ASY 2203<br>ASY 3219 | Discussion |
| 0105 | Anthony Colantuono<br>MW 9:00am - 9:50am<br>F 10:00am - 10:50am | Seats (Total: 28)<br>ASY 2203<br>ASY 3211 | Discussion |

**ARTH255** **Art and Society in the Modern American World**

**ARTH255 Art and Society in the Modern American World; (3 credits)** Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Explores the origins and evolution of art in the modern American world, from the late colonial era to the present, comparing major artistic movements and their historical contexts. Considers the diversity of art across Latin America and the United States, and the ways in which artworks mediate social, ethnic, political, and national identities.

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|---|---|---|---|
| 0101 | Abigail McEwen<br>TuTh 9:30am - 10:20am<br>F 9:00am - 9:50am | Seats (Total: 28)<br>ASY 2203<br>ASY 3211 | Discussion |
| 0104 | Abigail McEwen<br>TuTh 9:30am - 10:20am<br>F 10:00am - 10:50am | Seats (Total: 28)<br>ASY 2203<br>ASY 3219 | Discussion |

**ARTH269P** **Special Topics in Study Abroad II**
**Contact department for information to register for this course.**

**ARTH269R** **Special Topics in Study Abroad II; Art of Renaissance**
**Contact department for information to register for this course.**

**ARTH275** **Art and Society in Africa**

**ARTH275 Art and Society in Africa; (3 credits)** Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
A comparative study of art and material culture from various regions of the African continent. Looking across ethnic and national boundaries, considers the many relevant political, social, and religious contexts.

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| 0102 | Shannen Hill<br>MW 11:00am - 11:50am<br>W 10:00am - 10:50am | Seats (Total: 28)<br>ASY 2203<br>ASY 3215 | <br><br>Discussion |
| 0105 | Shannen Hill<br>MW 11:00am - 11:50am<br>F 11:00am - 11:50am | Seats (Total: 28)<br>ASY 2203<br>ASY 3215 | <br><br>Discussion |

**ARTH290** **Art and Society in Asia**

**ARTH290 Art and Society in Asia; (3 credits)** Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
A comparative, interrelational study of the different visual arts and material cultures produced by societies in Asia. An examination of the historical traditions and forms in political, social, and religious contexts.

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|---|---|---|---|
| 0101 | Yui Suzuki<br>MW 10:00am - 10:50am<br>F 11:00am - 11:50am | Seats (Total: 28)<br>ASY 2203<br>ASY 3219 | <br><br>Discussion |
| 0106 | Yui Suzuki<br>MW 10:00am - 10:50am<br>W 11:00am - 11:50am | Seats (Total: 28)<br>ASY 2203<br>ASY 3215 | <br><br>Discussion |

**ARTH302** **Greek Art and Archaeology**

**ARTH302 Greek Art and Archaeology; (3 credits)** Grade Method: REG/P-F/AUD. Sites and monuments of painting, sculpture, architecture, and the minor arts from the Geometric through the Hellenistic period with emphasis on mainland Greece in the Archaic and Classical periods.

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| 0101 | Marjorie Venit<br>TuTh 12:30pm - 1:45pm | Seats (Total: 30)<br>ASY 3215 |

**ARTH320** **Fourteenth and Fifteenth-Century Northern European Art**

**ARTH320 Fourteenth and Fifteenth-Century Northern European Art; (3 credits)** Grade Method: REG/P-F/AUD.
The art of northern Europe with an emphasis on painting in the Netherlands and France.

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| 0101 | Louise Martinez<br>TuTh 12:30pm - 1:45pm | Seats (Total: 30)<br>ASY 3211 |

**ARTH335** **Seventeenth-Century Art in the Netherlands**

**ARTH335 Seventeenth-Century Art in the Netherlands; (3 credits)** Grade Method: REG/P-F/AUD.
Painting, sculpture and architecture in seventeenth-century Netherlands.

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| 0101 | Arthur Wheelock<br>M 3:00pm - 5:30pm | Seats (Total: 30)<br>ASY 3211 |

**ARTH350** **Twentieth-Century Art to 1945**

**ARTH350 Twentieth-Century Art to 1945; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ARTH201.* Painting, sculpture, and architecture in Europe and America from the late nineteenth century to the end of World War II.

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|---|---|---|
| 0101 | Steven Mansbach<br>TuTh 9:30am - 10:45am | Seats (Total: 30)<br>ASY 3211 |

**ARTH351** **Art Since 1945**

**ARTH351 Art Since 1945; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ARTH201 or ARTH350.* Visual art since 1945, with an emphasis on North America and Europe.

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|---|---|---|
| 0101 | Greg Metcalf<br>TuTh 2:00pm - 3:15pm | Seats (Total: 30)<br>ASY 3211 |

**ARTH359A** **Film as Art; Documentary and the Visual Construction of Reality**

**ARTH359A Film as Art: Documentary and the Visual Construction of Reality; (3 credits)** Grade Method: REG/P-F/AUD.
Explores the history, theory and practice of documentary styles of film and video with an emphasis on the changing function and focus of the documentary over time.

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|---|---|---|
| 0101 | Greg Metcalf<br>W 3:00pm - 6:30pm | Seats (Total: 30)<br>ASY 3211 |

**ARTH360** **History of American Art to 1876**

**ARTH360 History of American Art to 1876; (3 credits)** Grade Method: REG/P-F/AUD.
Painting, sculpture, architecture, and decorative arts in North America from the colonial period to 1876.

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|---|---|---|
| 0101 | Renee Ater<br>TuTh 2:00pm - 3:15pm | Seats (Total: 30)<br>ASY 3215 |

**ARTH361** **American Art Since 1876**

**ARTH361 American Art Since 1876; (3 credits)** Grade Method: REG/P-F/AUD.
Painting, sculpture, architecture, and the decorative arts in North America after 1876.

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|---|---|---|
| 0101 | Asma Naeem<br>TuTh 9:30am - 10:45am | Seats (Total: 30)<br>ASY 3215 |

**ARTH369Q** **Special Topics in Study Abroad III; Patrons and Artists in Baroque Italy**
**Contact department for information to register for this course.**

**ARTH383** **Art of Japan after 1500**

**ARTH383 Art of Japan after 1500; (3 credits)** Grade Method: REG/P-F/AUD. *Credit only granted for: (ARTH382 and ARTH383) or ARTH384. Formerly: ARTH384.* Thematically-focused topics in the painting, sculpture, architecture, gardens and decorative arts of early modern, modern and contemporary Japan, from 1500 to present.

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|---|---|---|
| 0101 | Alicia Volk | Seats (Total: 30) |
| | TuTh 11:00am - 12:15pm | ASY 3215 |

**ARTH386** **Experiential Learning**

**ARTH386 Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: Permission of ARHU-Art History & Archaeology department. Restriction: Junior standing or higher.*

**Contact department for information to register for this course.**

**ARTH389Z** **Special Topics in Art History and Archaeology; Jewish Art in the Twentieth Century**
**Contact department for information to register for this course.**

**ARTH488D** **Colloquium in Art History; Remembrance and 19th-Century American Sculpture**

**ARTH488D** *(PermReq)* **Colloquium in Art History: Remembrance and 19th-Century American Sculpture; (3 credits)** Grade Method: REG/P-F/AUD. Permission of the instructor required. With a focus on Civil War memorials, this course examines neoclassical and Beaux-Arts sculpture of the nineteenth-century in the United States. All students are required to write a research paper, and to propose and design a monument/memorial for McKeldin Mall based on some aspect of the university's history.

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|---|---|---|
| 0101 | Renee Ater | Seats (Total: 13) |
| | TuTh 11:00am - 12:15pm | ASY 3217 |

**ARTH488G** **Colloquium in Art History; Colloquium in Art History; Utopia in Modern Art**

**ARTH488G Colloquium in Art History: Colloquium in Art History; Utopia in Modern Art; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Steven Mansbach<br>TuTh 2:00pm - 3:15pm | Seats (Total: 13)<br>ASY 3217 |

**ARTH489B** **Special Topics in Art History; Corporate Visual Culture since 1950**

**ARTH489B Special Topics in Art History: Corporate Visual Culture since 1950; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as HIST428M. Students are involved in identifying the dominant visual styles of national and global corporations since World War II, and, especially, in seeking to understand the content or meanings of those styles.

| | | |
|---|---|---|
| 0101 | Joshua Shannon<br>TuTh 11:00am - 12:15pm | Seats (Total: 30)<br>ASY 3211 |

**ARTH489M** **Special Topics in Art History; Myth in Renaissance and Baroque Art**

**ARTH489M Special Topics in Art History: Myth in Renaissance and Baroque Art; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Aneta Georgievska-Shine<br>W 3:00pm - 5:30pm | Seats (Total: 30)<br>ASY 3215 |

**ARTH489Z** **Special Topics in Art History; Art in London**
**Contact department for information to register for this course.**

**ARTH496** **Methods of Art History and Archaeology**

**ARTH496** *(PermReq)* **Methods of Art History and Archaeology; (3 credits)** Grade Method: REG.
*Prerequisite: Permission of ARHU-Art History & Archaeology department. Restriction: Must be in Art History program.* Methods of research and criticism applied to typical art-historical/ archaeological problems, familiarizing the student with bibliography and other research tools. Introduction to the historiography of art history and archaeology, surveying the principal theories, encouraging methodological debates within the discipline. Course for majors who intend to go on to graduate school.

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|---|---|---|
| 0101 | Aneta Georgievska-Shine<br>M 3:00pm - 5:30pm | Seats (Total: 15)<br>ASY 3215 |

**ARTH498** **Directed Studies in Art History I**

**ARTH498** *(PermReq)* **Directed Studies in Art History I; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**ARTH499** **Honors Thesis**

**ARTH499** *(PermReq)* **Honors Thesis; (3-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**ARTH738** **Seminar in Seventeenth-Century Southern European Art**

**ARTH738** *(PermReq)* **Seminar in Seventeenth-Century Southern European Art; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Anthony Colantuono<br>M 12:00pm - 2:40pm | Seats (Total: 6)<br>ASY 4304 |

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**ARTH759** **Seminar in Twentieth-Century Art; Modernism & The Desert**

**ARTH759** *(PermReq)* **Seminar in Twentieth-Century Art: Modernism & The Desert; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Joshua Shannon<br>Tu 3:00pm - 5:40pm | Seats (Total: 6)<br>ASY 4304 |

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**ARTH768** **Seminar in Latin American Art and Archaeology**

**ARTH768** *(PermReq)* **Seminar in Latin American Art and Archaeology; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Abigail McEwen<br>Tu 12:00pm - 2:40pm | Seats (Total: 6)<br>ASY 4304 |

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**ARTH769** **Seminar in African Art**

**ARTH769** *(PermReq)* **Seminar in African Art; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Shannen Hill | Seats (Total: 6) |
| | M 3:00pm - 5:40pm | ASY 4304 |

**ARTH779** **Seminar in Japanese Art**

**ARTH779 Seminar in Japanese Art; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Yui Suzuki, Alicia Volk | Seats (Total: 12) |
| | Th 3:00pm - 5:40pm | ASY 4304 |

**ARTH798** **Directed Graduate Studies in Art History**

**ARTH798** *(PermReq)* **Directed Graduate Studies in Art History; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ARTH799** **Master's Thesis Research**

**ARTH799** *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ARTH898** **Pre-Candidacy Research**

**ARTH898** *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ARTH899** **Doctoral Dissertation Research**

**ARTH899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# ARTT Art Studio Spring 2013

**ARTT100** **Two-Dimensional Design Fundamentals**

**ARTT100 Two-Dimensional Design Fundamentals; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. Principles and elements of two-dimensional design. Introduction to visual communication. Students must pay a $40.00 studio lab fee.

| | | | |
|---|---|---|---|
| 0101 | James Thorpe<br>TuTh 9:00am - 11:30am | Seats (Total: 18)<br>ASY 2314 | Lab |
| 0201 | James Thorpe<br>TuTh 9:00am - 11:30am | Seats (Total: 18)<br>ASY 2318 | Lab |
| 0301 | Wendy Jacobs<br>MW 12:30pm - 3:00pm | Seats (Total: 18)<br>ASY 2314 | Lab |
| 0401 | Wendy Jacobs<br>MW 12:30pm - 3:00pm | Seats (Total: 18)<br>ASY 2318 | Lab |
| 0501 | Wendy Jacobs<br>MW 9:00am - 11:30am | Seats (Total: 18)<br>ASY 2314 | Lab |
| 0601 | Wendy Jacobs<br>MW 9:00am - 11:30am | Seats (Total: 18)<br>ASY 2318 | Lab |
| 0701 | James Thorpe<br>TuTh 12:30pm - 3:00pm | Seats (Total: 18)<br>ASY 2314 | Lab |
| 0801 | James Thorpe<br>TuTh 12:30pm - 3:00pm | Seats (Total: 18)<br>ASY 2318 | Lab |
| 0901 | Rushern Baker<br>MW 3:00pm - 5:30pm | Seats (Total: 18)<br>ASY 2314 | Lab |
| 1001 | Rushern Baker<br>MW 3:00pm - 5:30pm | Seats (Total: 18)<br>ASY 2318 | Lab |

**ARTT110** **Elements of Drawing I**

**ARTT110 Elements of Drawing I; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Fundamental concepts, media, and processes of drawing. Emphasis on observation and representation in combination with individual expression. Subject matter includes still life, human figure, nature, the built environment, and conceptual projects. Students must pay a $40.00 studio lab fee.

| | | | |
|---|---|---|---|
| 0101 | Alexander Peace<br>TuTh 9:00am - 11:30am | Seats (Total: 18)<br>ASY 2317 | Lab |
| 0201 | Alexander Peace<br>TuTh 9:00am - 11:30am | Seats (Total: 18)<br>ASY 2321 | Lab |
| 0301 | Michael Booker<br>TuTh 5:30pm - 8:00pm | Seats (Total: 15)<br>ASY 2317 | Lab |
| 0401 | Michael Booker<br>TuTh 5:30pm - 8:00pm | Seats (Total: 15)<br>ASY 2317 | Lab |
| 0501 | Lauren Evans<br>TuTh 12:30pm - 3:00pm | Seats (Total: 18)<br>ASY 2317 | Lab |
| 0601 | Lauren Evans<br>TuTh 12:30pm - 3:00pm | Seats (Total: 18)<br>ASY 2321 | Lab |
| 0701 | Leslie Berns<br>MW 3:00pm - 5:30pm | Seats (Total: 18)<br>ASY 2317 | Lab |
| 0801 | Leslie Berns<br>MW 3:00pm - 5:30pm | Seats (Total: 18)<br>ASY 2321 | Lab |
| 0901 | Dawn Gavin<br>MW 9:00am - 11:30am | Seats (Total: 18)<br>ASY 2317 | Lab |
| 1001 | Dawn Gavin<br>MW 9:00am - 11:30am | Seats (Total: 18)<br>ASY 2321 | Lab |

**ARTT150** **Introduction to Art Theory**

**ARTT150 Introduction to Art Theory; (3 credits)** Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.
Fundamental concepts of global, philosophic, and critical art theory examined through various historic and contemporary texts, and the analysis of works of art.

| | | | |
|---|---|---|---|
| 0101 | Richard Klank<br>MW 1:00pm - 1:50pm<br>M 12:00pm - 12:50pm | Seats (Total: 27)<br>ASY 2309<br>ASY 3215 | <br><br>Discussion |
| 0102 | Richard Klank<br>MW 1:00pm - 1:50pm<br>W 12:00pm - 12:50pm | Seats (Total: 27)<br>ASY 2309<br>ASY 3219 | <br><br>Discussion |
| 0103 | Richard Klank<br>MW 1:00pm - 1:50pm<br>W 2:00pm - 2:50pm | Seats (Total: 27)<br>ASY 2309<br>ASY 3211 | <br><br>Discussion |
| 0201 | Rex Weil<br>TuTh 3:30pm - 4:20pm<br>Th 2:00pm - 2:50pm | Seats (Total: 27)<br>ASY 2309<br>ASY 3219 | <br><br>Discussion |
| 0202 | Rex Weil<br>TuTh 3:30pm - 4:20pm<br>Tu 2:00pm - 2:50pm | Seats (Total: 27)<br>ASY 2309<br>KEY 1117 | <br><br>Discussion |
| 0203 | Rex Weil<br>TuTh 3:30pm - 4:20pm<br>Th 12:30pm - 1:20pm | Seats (Total: 27)<br>ASY 2309<br>ASY 3219 | <br><br>Discussion |

**ARTT200** **Three-Dimensional Art Fundamentals**

**ARTT200 Three-Dimensional Art Fundamentals; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ARTT100 and ARTT110.* Fundamental concepts of three-dimensional form and space examined through the manipulation and organization of various materials. Students must pay a $40.00 studio lab fee.

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|---|---|---|---|
| 0101 | Foon Sham<br>TuTh 12:30pm - 3:00pm | Seats (Total: 18)<br>ASY 1311 | <br>Lab |

| | | | |
|---|---|---|---|
| 0201 | Steven Jones<br>MW 9:00am - 11:30am | Seats (Total: 18)<br>ASY 1314 | Lab |
| 0301 | Steven Jones<br>MW 12:30pm - 3:00pm | Seats (Total: 18)<br>ASY 1311 | Lab |
| 0401 | Patrick McGowan<br>MW 3:00pm - 5:30pm | Seats (Total: 18)<br>ASY 1311 | Lab |

**ARTT210** **Elements of Drawing II**

**ARTT210 Elements of Drawing II; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: ARTT110.* Continuation of ARTT110 with additional emphasis on color, figure drawing, and contemporary issues. Students must pay a $40.00 studio lab fee.

| | | | |
|---|---|---|---|
| 0101 | Rex Weil<br>TuTh 9:00am - 11:30am | Seats (Total: 18)<br>ASY 2315 | Lab |
| 0201 | Michael Booker<br>MW 9:00am - 11:30am | Seats (Total: 18)<br>ASY 2315 | Lab |
| 0301 | Leslie Berns<br>MW 12:30pm - 3:00pm | Seats (Total: 18)<br>ASY 2315 | Lab |
| 0401 | Jesse Burrowes<br>TuTh 3:00pm - 5:30pm | Seats (Total: 18)<br>ASY 2315 | Lab |

**ARTT255** **Introduction to Digital Art and Design Processes**

**ARTT255 Introduction to Digital Art and Design Processes; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ARTT100 and ARTT110. Credit only granted for: ARTT255 or ARTT354. Formerly: ARTT354.* Introduction to basic software and principles of digital imaging, and how they are applied to art and design. Topics covered: Digital image construction and manipulation, Vector-Based digital techniques layout, typography, etc), time-based digital techniques (video and audio composition and manipulation), and basic interactivity (web-design). Digital media used to explore visual principles established in ARTT100. Students must pay a $40.00 studio lab fee.

| | | | |
|---|---|---|---|
| 0101 | Shannon Collis<br>MW 9:00am - 11:30am | Seats (Total: 24)<br>CSS 1410 | Lab |
| 0201 | Shannon Collis<br>MW 1:00pm - 3:30pm | Seats (Total: 24)<br>CSS 1410 | Lab |
| 0301 | Narendra Ratnapala<br>TuTh 3:30pm - 6:00pm | Seats (Total: 24)<br>CSS 1410 | Lab |

**ARTT320** **Elements of Painting**

**ARTT320 Elements of Painting; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.* Concepts and fundamental processes of oil and/or acrylic painting. Students must pay a $40.00 studio lab fee.

| | | | |
|---|---|---|---|
| 0101 | Emily Conover<br>MW 12:30pm - 3:00pm<br>*This section uses acrylic paint only.* | Seats (Total: 20)<br>ASY 3312 | Lab |
| 0201 | Lauren Boilini<br>TuTh 12:30pm - 3:00pm | Seats (Total: 20)<br>ASY 3318 | Lab |
| 0301 | Richard Klank<br>MW 9:00am - 11:30am | Seats (Total: 15)<br>ASY 3322 | Lab |

**ARTT330** **Elements of Sculpture: Metal Casting**

**ARTT330 Elements of Sculpture: Metal Casting; (3 credits)** Grade Method: REG/P-F.
*Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.* Sculptural concepts and fundamental processes related to metal casting. Students must pay a $40.00 studio lab fee.

| | | | |
|---|---|---|---|
| 0101 | John Ruppert<br>MW 12:30pm - 3:00pm | Seats (Total: 12)<br>ASY 1310 | Lab |

**ARTT330H** **Elements of Sculpture: Metal Casting**

**ARTT330H** *(PermReq)* **Elements of Sculpture: Metal Casting; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.* Sculptural concepts and fundamental processes related to metal casting. Students must pay a $40.00 studio lab fee.

| | | | |
|---|---|---|---|
| 0101 | John Ruppert | Seats (Total: 2) | |
| | MW 12:30pm - 3:00pm | ASY 1310 | Lab |

**ARTT331** **Elements of Sculpture: Steel**

**ARTT331 Elements of Sculpture: Steel; (3 credits)** Grade Method: REG/P-F.
*Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.* Sculptural concepts and fundamental processes related to steel fabrication; torch cutting, welding, hot forging, and finishing. Students must pay a $40.00 studio lab fee.

| | | | |
|---|---|---|---|
| 0101 | Jesse Burrowes | Seats (Total: 14) | |
| | TuTh 12:30pm - 3:00pm | ASY 1314 | Lab |

**ARTT333** **Elements of Sculpture: Wood and Mixed Media**

**ARTT333 Elements of Sculpture: Wood and Mixed Media; (3 credits)** Grade Method: REG/P-F.
*Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.* Sculptural concepts and fundamental processes using wood and mixed media. Students must pay a $40.00 studio lab fee.

| | | | |
|---|---|---|---|
| 0101 | Foon Sham | Seats (Total: 12) | |
| | TuTh 3:00pm - 5:30pm | ASY 1311 | Lab |

**ARTT333H** **Elements of Sculpture: Wood and Mixed Media**

**ARTT333H** *(PermReq)* **Elements of Sculpture: Wood and Mixed Media; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.* Sculptural concepts and fundamental processes using wood and mixed media. This course is restricted to departmental honors students only. Students must pay a $40.00 studio lab fee.

| | | | |
|---|---|---|---|
| 0101 | Foon Sham | Seats (Total: 2) | |
| | TuTh 3:00pm - 5:30pm | ASY 1311 | |

**ARTT340** **Elements of Printmaking: Intaglio**

**ARTT340 Elements of Printmaking: Intaglio; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.* Concepts and fundamental processes related to etching, aquatint, and drypoint. Students must pay a $40.00 studio lab fee.

| | | | |
|---|---|---|---|
| 0101 | Brian Garner | Seats (Total: 12) | |
| | MW 12:30pm - 3:00pm | ASY 1317 | Lab |

**ARTT341** **Elements of Printmaking: Woodcut and Relief**
**Contact department for information to register for this course.**

**ARTT343** **Elements of Printmaking: Screen Printing**

**ARTT343 Elements of Printmaking: Screen Printing; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.* Concepts and fundamental processes related to silkscreen printing. Includes photographic processes. Students must pay a $40.00 studio lab fee.

| | | | |
|---|---|---|---|
| 0101 | Justin Strom | Seats (Total: 8) | |
| | TuTh 12:30pm - 3:00pm | ASY 1317 | Lab |

**ARTT343H** **Elements of Printmaking: Screen Printing**

**ARTT343H** *(PermReq)* **Elements of Printmaking: Screen Printing; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.* Concepts and fundamental processes related to silkscreen printing. Students must pay a $40.00 studio lab fee.

| | | | |
|---|---|---|---|
| 0101 | Justin Strom | Seats (Total: 2) | |
| | TuTh 12:30pm - 3:00pm | ASY 1317 | Lab |

**ARTT344** **Elements of Printmaking: Lithography**

**ARTT344 Elements of Printmaking: Lithography; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.* Concepts and fundamental processes related to drawing, preparing, and printing images on lithograph stones or plates. Students must pay a $40.00 studio lab fee.

| | | | |
|---|---|---|---|
| 0101 | Brian Garner | Seats (Total: 12) | |
| | MW 9:00am - 11:30am | ASY 1317 | Lab |

**ARTT344H** **Elements of Printmaking: Lithography**

**ARTT344H** *(PermReq)* **Elements of Printmaking: Lithography; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.* Concepts and fundamental processes related to drawing, preparing, and printing images on lithograph stones or plates. Students must pay a $40.00 studio lab fee.

| | | | |
|---|---|---|---|
| 0101 | Margo Humphrey | Seats (Total: 2) | |
| | MW 9:00am - 11:30am | ASY 1317 | Lab |

**ARTT353** **Elements of Photography**

**ARTT353 Elements of Photography; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.* Introduction to black-and-white photography. Basic technical and aesthetic vocabulary, camera mechanics and darkroom techniques. Introduction to the photographic message and meaning in both fine art and design concept. Students must pay a $40.00 studio lab fee. Click here for more course information.

| | | | |
|---|---|---|---|
| 0101 | Sora Devore | Seats (Total: 10) | |
| | MW 9:00am - 11:30am | MMH 0401 | Lab |
| | MW 9:00am - 11:30am | MMH 0110 | Lab |
| 0201 | Sora Devore | Seats (Total: 10) | |
| | MW 12:30pm - 3:00pm | MMH 0401 | Lab |
| | MW 12:30pm - 3:00pm | MMH 0110 | Lab |

**ARTT357** **Interactive Design**

**ARTT357 Interactive Design; (3 credits)** Grade Method: REG.
*Prerequisite: ARTT355 and ARTT356.* In-depth exploration of interactive design and website construction. Emphasis on concept-driven and community-based projects using variety of interactive software programs. Students must pay a $40.00 studio lab fee.

| | | | |
|---|---|---|---|
| 0101 | Malcolm Jones | Seats (Total: 20) | |
| | MW 5:30pm - 8:00pm | CSS 1410 | Lab |

**ARTT361** **Design Literacy: Decoding Our Visual Culture**

**ARTT361 Design Literacy: Decoding Our Visual Culture; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ARTT355 and ARTT356. Credit only granted for: ARTT361 or ARTT489L. Formerly: ARTT489L.* Holistic presentation of design history and theory from pre-history to present. Covers primarily visual communication design and includes the interrelationship of interior-, furniture-, industrial-, fashion-design, and architecture.

| | | | |
|---|---|---|---|
| 0101 | Ruth Lozner | Seats (Total: 20) | |
| | TuTh 3:00pm - 4:15pm | ASY 2322 | |

**ARTT370** **Elements of Digital Media**

**ARTT370 Elements of Digital Media; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ARTT150, ARTT200, ARTT210, and ARTT255; or permission of ARHU-Art department.* Exploration of image creation and manipulation, interactivity, and linkages between digital audio and video. Emphasis on issues in contemporary digital art. Students must pay a $40.00 studio lab fee.

| | | | |
|---|---|---|---|
| 0101 | Brandon Morse | Seats (Total: 14) | |
| | TuTh 12:30pm - 3:00pm | ASY 3311E | Lab |

**ARTT386** **Experiential Learning**

**ARTT386** *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: Permission of ARHU-Art department. Restriction: Junior standing or higher.*

**Contact department for information to register for this course.**

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**ARTT389** **Department of Art Undergraduate Teaching Assistantship**

**ARTT389** *(PermReq)* **Department of Art Undergraduate Teaching Assistantship; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**ARTT399** **Department of Art Research Assistantship**

**ARTT399** *(PermReq)* **Department of Art Research Assistantship; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**ARTT418B** **Advanced Drawing Studio; Advanced Drawing: Contemporary Approach**

**ARTT418B Advanced Drawing Studio: Advanced Drawing: Contemporary Approach; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT150, ARTT200 and ARTT210; plus one 300-level studio course; or permission of Department. Repeatable to 12 credits. Multi-level drawing studio emphasizing advanced concepts and processes related to drawing; emphasis on contemporary art issues and individual directions. Students must pay a $40.00 studio lab fee.

| | | | |
|---|---|---|---|
| 0101 | Emily Conover<br>MW 3:00pm - 5:30pm | Seats (Total: 18)<br>ASY 2315 | <br>Lab |
| 0201 | Lauren Boilini<br>TuTh 3:00pm - 5:30pm | Seats (Total: 18)<br>ASY 2314 | <br>Lab |
| 0301 | Dawn Gavin<br>MW 12:30pm - 3:00pm | Seats (Total: 18)<br>ASY 2317 | <br>Lab |

**ARTT418H** **Advanced Drawing Studio; Honors Advanced Drawing**

**ARTT418H** *(PermReq)* **Advanced Drawing Studio: Honors Advanced Drawing; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to departmental honors students only. Prerequisite: ARTT150, ARTT200, and ARTT210; plus one 300-level studio course; and permission of department. Students must pay a $40.00 studio lab fee.

| | | | |
|---|---|---|---|
| 0201 | Patrick Craig<br>TuTh 3:00pm - 5:30pm | Seats (Total: 2)<br>ASY 2317 | Lab |
| 0301 | Dawn Gavin<br>MW 12:30pm - 3:00pm | Seats (Total: 2)<br>ASY 2317 | Lab |

**ARTT428** **Advanced Painting Studio; Advanced Painting**

**ARTT428 Advanced Painting Studio: Advanced Painting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT320 or permission of department. Repeatable to 12 credits. Multi-level painting studio emphasizing advanced concepts and processes related to oil and acrylic painting; emphasis on contemporary art issues and individual directions. Students must pay a $40.00 studio lab fee.

| | | | |
|---|---|---|---|
| 0101 | Alexander Peace<br>TuTh 12:30pm - 3:00pm | Seats (Total: 18)<br>ASY 3312 | Lab |
| 0201 | Patrice Kehoe<br>TuTh 3:00pm - 5:30pm | Seats (Total: 18)<br>ASY 3312 | Lab |
| 0301 | Richard Klank<br>MW 9:00am - 11:30am | Seats (Total: 8)<br>ASY 3318 | Lab |

**ARTT428H** **Advanced Painting Studio; Honors Advanced Painting**

**ARTT428H** *(PermReq)* **Advanced Painting Studio: Honors Advanced Painting; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to departmental honors students only. Prerequisite: ARTT320 and permission of department. Students must pay a $40.00 studio lab fee.

| | | | |
|---|---|---|---|
| 0201 | Patrice Kehoe<br>TuTh 3:00pm - 5:30pm | Seats (Total: 2)<br>ASY 3316 | Lab |

**ARTT428X** **Advanced Painting Studio**
**Contact department for information to register for this course.**

**ARTT438A** **Advanced Sculpture Studio; Advanced Metal Casting**

**ARTT438A Advanced Sculpture Studio: Advanced Metal Casting; (3 credits)**
Grade Method: REG/P-F/AUD.
Prerequisite: ARTT330 or permission of department. Students must pay a $40.00 studio lab fee.

| | | | |
|---|---|---|---|
| 0101 | John Ruppert | Seats (Total: 4) | |
| | MW 12:30pm - 3:00pm | ASY 1310 | Lab |

**ARTT438B** **Advanced Sculpture Studio; Advanced Steel Sculpture**

**ARTT438B Advanced Sculpture Studio: Advanced Steel Sculpture; (3 credits)**
Grade Method: REG/P-F/AUD.
Prerequisite ARTT331. Students must pay a $40.00 studio lab fee.

| | | | |
|---|---|---|---|
| 0101 | Jesse Burrowes | Seats (Total: 6) | |
| | TuTh 12:30pm - 3:00pm | ASY 1314 | Lab |

**ARTT438D** **Advanced Sculpture Studio; Advanced Sculpture in Wood and Mixed Media**

**ARTT438D** *(PermReq)* **Advanced Sculpture Studio: Advanced Sculpture in Wood and Mixed Media; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT333 or permission of department. Repeatable to 12 credits. Multi-level sculpture studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 studio lab fee.

| | | | |
|---|---|---|---|
| 0101 | Foon Sham | Seats (Total: 4) | |
| | TuTh 3:00pm - 5:30pm | ASY 1311 | Lab |

**ARTT438H** **Advanced Sculpture Studio; Honors Advanced Sculpture**

**ARTT438H** *(PermReq)* **Advanced Sculpture Studio: Honors Advanced Sculpture; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to departmental honors students only. Prerequisite: 300-level sculpture course and permission of department. Students must pay a $40.00 lab fee.

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|---|---|---|---|
| 0101 | Foon Sham | Seats (Total: 2) | |
| | TuTh 3:00pm - 5:30pm | ASY 1311 | Lab |
| 0201 | John Ruppert | Seats (Total: 2) | |
| | MW 3:00pm - 5:30pm | ASY 1314 | Lab |

**ARTT438O** **Advanced Sculpture Studio; On Site: Creating A Sense of Place through Intervention and Transformation**

**ARTT438O Advanced Sculpture Studio: On Site: Creating A Sense of Place through Intervention and Transformation; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: A 300-Level Sculpture Course or permission of instructor. This advanced level studio course is co-taught by faculty from both departments of Architecture and Studio Art, and is an open forum hands-on approach to site installation sculpture. Through a variety of materials, techniques, and conceptual strategies students will address the meaning of place. Participants will develop an understanding of the implications of physical /material / psychological space through analysis, intervention and/or transformation of existing sites informed by both an understanding of place and context. Faculty will enhance the studio experience with seminar discussions that showcase select examples and critical theories employed by Artists and Architects around issues of site, intervention and public space. This course will be team taught and will include both art students and architecture students. Students must pay a $40 studio lab fee.

| | | | |
|---|---|---|---|
| 0101 | John Ruppert | Seats (Total: 14) | |
| | MW 3:00pm - 5:30pm | ASY 1314 | Lab |

**ARTT448A** **Advanced Printmaking Studio; Advanced Intaglio**

**ARTT448A Advanced Printmaking Studio: Advanced Intaglio; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT340 or permission of department. Repeatable to 12 credits. Multi-level printmaking studio with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 studio lab fee.

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|---|---|---|---|
| 0101 | Brian Garner | Seats (Total: 4) | |
| | MW 12:30pm - 3:00pm | ASY 1317 | Lab |

**ARTT448E** **Advanced Printmaking Studio; Advanced Screen Printing**

**ARTT448E Advanced Printmaking Studio: Advanced Screen Printing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT343 or permission of department. Repeatable to 12 credits. Multi-level printmaking studio with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 studio lab fee.

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|---|---|---|---|
| 0101 | Justin Strom | Seats (Total: 8) | |
| | TuTh 3:00pm - 5:30pm | ASY 1317 | Lab |

**ARTT448F** **Advanced Printmaking Studio; Monoprints and Mixed Media**

**ARTT448F Advanced Printmaking Studio: Monoprints and Mixed Media; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: One 300-level printmaking course or permission of department. Multi-level printmaking studio; continuation of media-specific printmaking courses with emphasis on contemporary art issues and individual directions in chosen media. Students must pay a $40.00 laboratory studio fee.

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|---|---|---|---|
| 0101 | Shannon Collis | Seats (Total: 14) | |
| | MW 4:00pm - 6:30pm | ASY 1317 | Lab |

**ARTT448H** **Advanced Printmaking Studio; Honors Advanced Printmaking**

**ARTT448H** *(PermReq)* **Advanced Printmaking Studio: Honors Advanced Printmaking; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to departmental honors students only. Prerequisite: 300-level printmaking course and permission of department. Students must pay a $40.00 studio lab fee.

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|---|---|---|---|
| 0101 | Justin Strom | Seats (Total: 2) | |
| | TuTh 3:00pm - 5:30pm | ASY 1317 | Lab |
| | *Advanced Screen Printing.* | | |
| 0501 | Margo Humphrey | Seats (Total: 2) | |
| | MW 12:30pm - 3:00pm | ASY 1317 | Lab |

**ARTT449A** **Advanced Photography Studio; Black and White Photography and Darkroom Techniques**

**ARTT449A** *(PermReq)* **Advanced Photography Studio: Black and White Photography and Darkroom Techniques; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT353 or permission of department. Students must pay a $40.00 studio lab fee.

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|---|---|---|---|
| 0101 | Sora Devore | Seats (Total: 5) | |
| | MW 9:00am - 11:30am | MMH 0110 | Lab |
| | MW 9:00am - 11:30am | MMH 0401 | Lab |
| 0201 | Sora Devore | Seats (Total: 5) | |
| | MW 12:30pm - 3:00pm | MMH 0110 | Lab |
| | MW 12:30pm - 3:00pm | MMH 0401 | Lab |

**ARTT456** **Motion Design**

**ARTT456** *(PermReq)* **Motion Design; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: ARTT355, ARTT356, and ARTT357; or permission of ARHU-Art department.* Explores computer graphics and visual communication principles in a time-based context. Examination of fundamental design principles through digital projects that involve photo manipulation, digital illustration, layout, animation, and web design. Students must pay a $40.00 studio lab fee.

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|---|---|---|---|
| 0101 | Audra Buck-Coleman | Seats (Total: 14) | |
| | MW 12:30pm - 3:00pm | ASY 2322 | Lab |

**ARTT458** **Graphic Design Portfolio; Advanced Graphic Design**

**ARTT458** *(PermReq)* **Graphic Design Portfolio: Advanced Graphic Design; (3 credits)** Grade Method: REG.
Print publication and self promotion design. Students must pay a $40.00 studio lab fee.

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|---|---|---|---|
| 0101 | Ruth Lozner | Seats (Total: 20) | |
| | TuTh 12:30pm - 3:00pm | ASY 2322 | Lab |

**ARTT479A** **Advanced Digital Media Studio; Code and Form**

**ARTT479A Advanced Digital Media Studio: Code and Form; (3 credits)** Grade Method: REG/P-F/AUD.
Students must pay a $40.00 studio lab fee. Exploration of the ways in digital processes can be used in the creation of physical objects, and the practical and conceptual implications that arise from the translation of the virtual to the physical. Topics such as procedural 3-D modeling, 3-D printing and other digital fabrication techniques will be covered.

| | | | |
|---|---|---|---|
| 0101 | Brandon Morse | Seats (Total: 14) | |
| | TuTh 3:00pm - 5:30pm | ASY 3311E | Lab |

**ARTT479B** **Advanced Digital Media Studio; Introduction to Digital Video Production**

**ARTT479B Advanced Digital Media Studio: Introduction to Digital Video Production; (3 credits)** Grade Method: REG/P-F/AUD.
Students must pay a $40.00 studio lab fee. The primary focus of this course is an introduction to video production. Students will learn principles of pre-production, and post-production. Aesthetics, theory, and practical aspects will be examined in the context of short film/documentary production.

| | | | |
|---|---|---|---|
| 0101 | Narendra Ratnapala | Seats (Total: 14) | |
| | TuTh 12:30pm - 3:00pm | CSS 1410 | Lab |

**ARTT479H** **Advanced Digital Media Studio; Code and Form**

**ARTT479H Advanced Digital Media Studio: Code and Form; (3 credits)** Grade Method: REG/P-F/AUD.
Students must pay a $40.00 studio lab fee. Exploration of the ways in digital processes can be used in the creation of physical objects, and the practical and conceptual implications that arise from the translation of the virtual to the physical. Topics such as procedural 3-D modeling, 3-D printing and other digital fabrication techniques will be covered.

| | | | |
|---|---|---|---|
| 0101 | Brandon Morse | Seats (Total: 2) | |
| | TuTh 3:00pm - 5:30pm | Location: TBA | |

**ARTT489A** **Advanced Special Topics in Art; Perspectives in Art Theory: The Relationship Between Discourse and Practice**

**ARTT489A Advanced Special Topics in Art: Perspectives in Art Theory: The Relationship Between Discourse and Practice; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ARTT150 or permission of department.

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|---|---|---|
| 0101 | Aneta Georgievska-Shine | Seats (Total: 15) |
| | Tu 4:00pm - 6:30pm | ASY 3215 |

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**ARTT489G** **Advanced Special Topics in Art; Art, Politics and Government**

**ARTT489G Advanced Special Topics in Art: Art, Politics and Government; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Rex Weil | Seats (Total: 15) |
| | Th 6:00pm - 8:30pm | ASY 3215 |

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**ARTT489P** **Advanced Special Topics in Art; Experimental Film and Video**
**Contact department for information to register for this course.**

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**ARTT498A** **Directed Studies in Studio Art; Directed Studies in Studio Art**

**ARTT498A** *(PermReq)* **Directed Studies in Studio Art: Directed Studies in Studio Art; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $40.00 studio lab fee.

**Contact department for information to register for this course.**

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**ARTT498B** **Directed Studies in Studio Art**

**ARTT498B** *(PermReq)* **Directed Studies in Studio Art; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $40.00 studio lab fee.

**Contact department for information to register for this course.**

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**ARTT498H** **Directed Studies in Studio Art; Honors Thesis**

**ARTT498H** *(PermReq)* **Directed Studies in Studio Art: Honors Thesis; (2-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Restricted to departmental honors students only. Prerequisite: permission of department. Students must pay a $40.00 studio lab fee.

**Contact department for information to register for this course.**

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**ARTT618** **Drawing; Drawing**

**ARTT618** *(PermReq)* **Drawing: Drawing; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

**Contact department for information to register for this course.**

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**ARTT628** **Painting; Painting**

**ARTT628** *(PermReq)* **Painting: Painting; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

**Contact department for information to register for this course.**

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**ARTT638** **Sculpture; Sculpture**

**ARTT638** *(PermReq)* **Sculpture: Sculpture; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

**Contact department for information to register for this course.**

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**ARTT648** **Printmaking; Printmaking**

**ARTT648** *(PermReq)* **Printmaking: Printmaking; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

**Contact department for information to register for this course.**

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**ARTT698A** **Directed Graduate Studies in Studio Art**

**ARTT698A** *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)**
Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

**Contact department for information to register for this course.**

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**ARTT698B** **Directed Graduate Studies in Studio Art**

**ARTT698B** *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)**
Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

**Contact department for information to register for this course.**

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**ARTT698C** **Directed Graduate Studies in Studio Art; Graduate Teaching Practicum**

**ARTT698C** *(PermReq)* **Directed Graduate Studies in Studio Art: Graduate Teaching Practicum; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

**Contact department for information to register for this course.**

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**ARTT698D** **Directed Graduate Studies in Studio Art; Design and Information Visualization**

**ARTT698D Directed Graduate Studies in Studio Art: Design and Information Visualization; (1 credit)** Grade Method: REG/AUD.
Prerequisite: Admission into the Human Computer Interactive Master's (HCIM) or Information Studies PhD program. Enrollment by permission of instructor. This course will be offered to and designed for graduate-level HCIL students. This course format will be a combination of lectures, assignments, discussions, and one-on-one critiques focused around graphic design principles as they apply to information visualization. Course content will address the difference between art and design; visual perception principles; color; typography and font choice; grids and layout; and hierarchy. Students will address and investigate the design of their user interface projects. This will be done through self-assessment, class discussion and one-on-one critiques with the instructor. The goal will be to raise the quality of visual and interactive elements in the interfaces as well as gain a better understanding of design principles and best-practices.

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|---|---|---|
| 0101 | Audra Buck-Coleman | Seats (Total: 15) |
| | W 3:00pm - 5:00pm | ASY 2322 |

**ARTT699A** **Directed Graduate Studies in Studio Art**

**ARTT699A** *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)**
Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

**Contact department for information to register for this course.**

**ARTT699B** **Directed Graduate Studies in Studio Art**

**ARTT699B** *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)**
Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

**Contact department for information to register for this course.**

**ARTT718** **Drawing; Drawing**

**ARTT718** *(PermReq)* **Drawing: Drawing; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

**Contact department for information to register for this course.**

**ARTT728** **Painting; Painting**

**ARTT728** *(PermReq)* **Painting: Painting; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

**Contact department for information to register for this course.**

**ARTT738** **Sculpture; Sculpture**

**ARTT738** *(PermReq)* **Sculpture: Sculpture; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

**Contact department for information to register for this course.**

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**ARTT748** **Printmaking; Printmaking**

**ARTT748** *(PermReq)* **Printmaking: Printmaking; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

**Contact department for information to register for this course.**

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**ARTT768** **Graduate Colloquium**

**ARTT768** *(PermReq)* **Graduate Colloquium; (2 credits)** Grade Method: REG/AUD. Students must pay a $60.00 studio lab fee.

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|---|---|---|
| 0101 | Lucille Hogg | Seats (Total: 18) |
| | W 6:30pm - 8:10pm | ASY 3217 |

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**ARTT798A** **Directed Graduate Studies in Studio Art**

**ARTT798A** *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

**Contact department for information to register for this course.**

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**ARTT798B** **Directed Graduate Studies in Studio Art**

**ARTT798B** *(PermReq)* **Directed Graduate Studies in Studio Art; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Students must pay a $60.00 studio lab fee.

**Contact department for information to register for this course.**

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**ARTT799** **Master's Thesis Research**

**ARTT799 Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# ASTR Astronomy Spring 2013

**ASTR100** **Introduction to Astronomy**

**ASTR100 Introduction to Astronomy; (3 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences. *Credit only granted for: ASTR100, ASTR101, or ASTR120.* An elementary course in descriptive astronomy, especially appropriate for non-science students. Topics include the Sun, Moon, planets, stars, and nebulae, galaxies, and evolution of the Universe. Discussion sections do not meet the first week of classes. Attend lecture before coming to discussion section.

| | | | |
|---|---|---|---|
| 0101 | Melissa Hayes-Gehrke<br>TuTh 9:30am - 10:45am<br>M 10:00am - 10:50am | Seats (Total: 40)<br>PHY 1412<br>CSS 2400 | Discussion |
| 0102 | Melissa Hayes-Gehrke<br>TuTh 9:30am - 10:45am<br>M 11:00am - 11:50am | Seats (Total: 40)<br>PHY 1412<br>CSS 2400 | Discussion |
| 0103 | Melissa Hayes-Gehrke<br>TuTh 9:30am - 10:45am<br>W 9:00am - 9:50am | Seats (Total: 40)<br>PHY 1412<br>CSS 2400 | Discussion |
| 0104 | Melissa Hayes-Gehrke<br>TuTh 9:30am - 10:45am<br>W 11:00am - 11:50am | Seats (Total: 40)<br>PHY 1412<br>CSS 2400 | Discussion |
| 0105 | Melissa Hayes-Gehrke<br>TuTh 9:30am - 10:45am<br>F 11:00am - 11:50am | Seats (Total: 40)<br>PHY 1412<br>CSS 2400 | Discussion |
| 0106 | Melissa Hayes-Gehrke<br>TuTh 9:30am - 10:45am<br>F 12:00pm - 12:50pm | Seats (Total: 40)<br>PHY 1412<br>CSS 2400 | Discussion |

| | | | |
|---|---|---|---|
| 0201 | Melissa Hayes-Gehrke<br>MWF 9:00am - 9:50am<br>M 1:00pm - 1:50pm | Seats (Total: 40)<br>PHY 1412<br>CSS 2400 | <br><br>Discussion |
| 0202 | Melissa Hayes-Gehrke<br>MWF 9:00am - 9:50am<br>M 2:00pm - 2:50pm | Seats (Total: 40)<br>PHY 1412<br>CSS 2400 | <br><br>Discussion |
| 0204 | Melissa Hayes-Gehrke<br>MWF 9:00am - 9:50am<br>W 1:00pm - 1:50pm | Seats (Total: 40)<br>PHY 1412<br>CSS 2400 | <br><br>Discussion |
| 0205 | Melissa Hayes-Gehrke<br>MWF 9:00am - 9:50am<br>W 2:00pm - 2:50pm | Seats (Total: 40)<br>PHY 1412<br>CSS 2400 | <br><br>Discussion |
| 0206 | Melissa Hayes-Gehrke<br>MWF 9:00am - 9:50am<br>F 10:00am - 10:50am | Seats (Total: 40)<br>PHY 1412<br>CSS 2400 | <br><br>Discussion |

**ASTR101** **General Astronomy**

**ASTR101 General Astronomy; (4 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course. GenEd: Distributive Studies - Natural Science Lab. *Credit only granted for: ASTR100, ASTR101, or ASTR120.* Descriptive astronomy, appropriate for non-science majors. Sun, moon, planets, stars, nebulae, galaxies and evolution. Laboratory exercises include use of photographic material, computer simulations, and standard laboratory equipment. Discussion sections and lab do not meet the first week of classes. Attend lecture before coming to discussion or lab section.

| | | | |
|---|---|---|---|
| 0101 | Grace Deming<br>TuTh 11:00am - 12:15pm<br>Tu 5:30pm - 7:30pm<br>Tu 3:30pm - 4:20pm | Seats (Total: 20)<br>PHY 1412<br>CSS 1109<br>CSS 2400 | <br><br>Lab<br>Discussion |
| 0102 | Grace Deming<br>TuTh 11:00am - 12:15pm<br>W 8:30am - 10:30am<br>Tu 3:30pm - 4:20pm | Seats (Total: 20)<br>PHY 1412<br>CSS 1109<br>CSS 2400 | <br><br>Lab<br>Discussion |

| | | | |
|---|---|---|---|
| 0103 | Grace Deming | Seats (Total: 20) | |
| | TuTh 11:00am - 12:15pm<br>W 11:00am - 1:00pm<br>W 10:00am - 10:50am | PHY 1412<br>CSS 1109<br>CSS 2400 | <br>Lab<br>Discussion |
| 0104 | Grace Deming | Seats (Total: 20) | |
| | TuTh 11:00am - 12:15pm<br>Th 8:30am - 10:30am<br>W 10:00am - 10:50am | PHY 1412<br>CSS 1109<br>CSS 2400 | <br>Lab<br>Discussion |
| 0105 | Grace Deming | Seats (Total: 20) | |
| | TuTh 11:00am - 12:15pm<br>W 6:00pm - 8:00pm<br>W 12:00pm - 12:50pm | PHY 1412<br>CSS 1109<br>CSS 2400 | <br>Lab<br>Discussion |
| 0106 | Grace Deming | Seats (Total: 20) | |
| | TuTh 11:00am - 12:15pm<br>Th 3:30pm - 5:30pm<br>W 12:00pm - 12:50pm | PHY 1412<br>CSS 1109<br>CSS 2400 | <br>Lab<br>Discussion |
| 0107 | Grace Deming | Seats (Total: 20) | |
| | TuTh 11:00am - 12:15pm<br>Th 6:00pm - 8:00pm<br>W 3:00pm - 3:50pm | PHY 1412<br>CSS 1109<br>CSS 2400 | <br>Lab<br>Discussion |
| 0108 | Grace Deming | Seats (Total: 20) | |
| | TuTh 11:00am - 12:15pm<br>F 10:00am - 12:00pm<br>W 3:00pm - 3:50pm | PHY 1412<br>CSS 1109<br>CSS 2400 | <br>Lab<br>Discussion |

**ASTR121** **Introductory Astrophysics II - Stars and Beyond**

**ASTR121 Introductory Astrophysics II - Stars and Beyond; (4 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course. GenEd: Distributive Studies - Natural Science Lab.
*Prerequisite: ASTR120 and MATH115; or permission of CMNS-Astronomy department.* For students majoring in astronomy or with a strong interest in science. Includes instrumentation, stellar properties, stellar evolution, structure of the galaxy, other galaxies, large scale structure, Big Bang Theory, and future of the universe.

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|---|---|---|---|
| 0101 | Derek Richardson | Seats (Total: 15) | |
| | TuTh 11:00am - 12:15pm | CSS 2428 | |
| | M 2:00pm - 4:00pm | CSS 1109 | Lab |
| | F 1:00pm - 1:50pm | CSS 2428 | Discussion |
| 0102 | Derek Richardson | Seats (Total: 15) | |
| | TuTh 11:00am - 12:15pm | CSS 2428 | |
| | M 11:00am - 1:00pm | CSS 1109 | Lab |
| | F 1:00pm - 1:50pm | CSS 2428 | Discussion |

**ASTR230** **The Science and Fiction of Planetary Systems**

**ASTR230 The Science and Fiction of Planetary Systems; (3 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.
*Prerequisite: Must have math eligibility of MATH115 or higher; or MATH113.* Have you ever wondered if humans will ever terraform Mars or Europa so we could live there without a spacesuit? Has it ever crossed your mind how lucky you are that you live on a water-rich planet with an oxygen-rich atmosphere? Have you ever suspected novelists and scriptwriters of creating ridiculous planets that violate scientific laws? Does the fate of our planet's thin biosphere keep you up at night? How common is life in the Universe? These are difficult questions, but armed with the right information, you can answer all of them. The Science and Fiction of Planetary Systems will help you develop a deeper understanding of why planets are the way they are. Along the way, you'll see examples of mistakes made in classic science fiction movies, novels and short stories and get the chance to invent your own plausible planets!

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|---|---|---|---|
| 0101 | Alan Peel | Seats (Total: 30) | |
| | TuTh 11:00am - 12:15pm | CSS 2400 | |
| | M 11:00am - 11:50am | CSS 2428 | Discussion |
| 0102 | Alan Peel | Seats (Total: 30) | |
| | TuTh 11:00am - 12:15pm | CSS 2400 | |
| | M 12:00pm - 12:50pm | CSS 2428 | Discussion |

**ASTR288** **Special Projects in Astronomy**

**ASTR288** *(PermReq)* **Special Projects in Astronomy; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
A faculty sponsor must be found by the students prior to enrollment.

**Contact department for information to register for this course.**

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**ASTR288M** **Special Projects in Astronomy; Current Events in Astronomy Research**

**ASTR288M** *(PermReq)* **Special Projects in Astronomy: Current Events in Astronomy Research; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

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|---|---|---|
| 0101 | Stuart Vogel | Seats (Total: 10) |
| | M 4:00pm - 4:50pm | CSS 1248 |

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**ASTR300** **Stars and Stellar Systems**

**ASTR300 Stars and Stellar Systems; (3 credits)** Grade Method: REG/P-F/AUD.
GenEd: Distributive Studies - Natural Sciences.
*Prerequisite: Completion of the CORE Distributive Studies requirement in Mathematics and Sciences; or completion of the General Education Fundamental Studies requirement in Mathematics; or permission of CMNS-Astronomy department.*
Designed primarily for non-science majors. Study of stars-types, properties, evolution, and distribution in space; supernovae, pulsars, and black holes.

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|---|---|---|
| 0101 | Melissa Hayes-Gehrke | Seats (Total: 50) |
| | TuTh 2:00pm - 3:15pm | CSS 2400 |

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**ASTR305** **Astronomy and the Media**

**ASTR305 Astronomy and the Media; (3 credits)** Grade Method: REG/P-F/AUD.
GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.
Although science plays a central role in modern life, the media can present scientific discoveries and thought as too complex and arcane for intelligent laypeople to understand. This has the effect of excluding non-scientists from this important intellectual discourse and sometimes of even manipulating their views. This course uses astronomy (and other science) news stories to give students the tools and motivation to critically evaluate scientific news for themselves, enabling them to use the media to keep abreast of science throughout their lives.

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|---|---|---|---|
| 0101 | Rick Edelson | Seats (Total: 30) | |
| | TuTh 12:30pm - 1:45pm | CSS 2400 | |
| | M 12:00pm - 12:50pm | CSS 2400 | Discussion |
| 0102 | Rick Edelson | Seats (Total: 30) | |
| | TuTh 12:30pm - 1:45pm | CSS 2400 | |
| | M 3:00pm - 3:50pm | CSS 2400 | Discussion |

**ASTR320** **Theoretical Astrophysics**

**ASTR320 Theoretical Astrophysics; (3 credits)** Grade Method: REG/P-F.
*Prerequisite: ASTR121; and (PHYS270 and PHYS271; or PHYS273). Or permission of CMNS-Astronomy department.* Application of selected physics concepts in an astrophysical context. Topics would include gravity (Keplerian motion, Virial theorem, Roche limit, dynamical friction); gas dynamics (hydrostatic equilibrium, stellar models, spiral density waves), thermodynamics and statistical physics (Boltzmann distribution, Wien displacement, convective instability, degenerate gas); atomic physics (quantum principles, H atom, permitted and forbidden lines); radiation processes (line radiation, opacity).

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|---|---|---|---|
| 0101 | Derek Richardson | Seats (Total: 20) | |
| | TuTh 11:00am - 12:15pm | CSS 0201 | |
| | W 2:00pm - 2:50pm | CSS 0201 | Discussion |

**ASTR340** **Origin of the Universe**

**ASTR340 Origin of the Universe; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Sciences.
*Prerequisite: Completion of the CORE Distributive Studies requirement in Mathematics and Sciences; or completion of the General Education Fundamental Studies requirement in Mathematics; or permission of CMNS-Astronomy department.* Designed primarily for non-science majors. A study of our progression of knowledge about the universe. Topics include: early cosmological models, geocentric vs. heliocentric theory, curvature of space, Hubble's Law, Big Bang Theory, microwave background radiation, evolution of stars and galaxies, dark matter, active galaxies, quasars and the future of the universe.

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|---|---|---|---|
| 0101 | Alberto Bolatto | Seats (Total: 50) | |
| | TuTh 9:30am - 10:45am | CSS 2428 | |

**ASTR380** **Life in the Universe - Astrobiology**

**ASTR380 Life in the Universe - Astrobiology; (3 credits)** Grade Method: REG/AUD. GenEd: Distributive Studies - Natural Sciences.
Designed primarily for non-science majors. Study of the astronomical perspective on the conditions for the origin and existence of life in the universe.

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| 0101 | Leo Deming | Seats (Total: 50) |
| | TuTh 9:30am - 10:45am | CSS 2400 |

**ASTR399** **Honors Seminar**

**ASTR399** *(PermReq)* **Honors Seminar; (1-16 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ASTR422** **Cosmology**

**ASTR422 Cosmology; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Must have completed or be concurrently enrolled in ASTR320; or permission of CMNS-Astronomy department.* Introduction to modern cosmology. Topics include large scale structure of universe, the intergalactic medium, the nature of dark matter cosmological models and galaxy formation.

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|---|---|---|
| 0101 | Christopher Reynolds | Seats (Total: 20) |
| | TuTh 12:30pm - 1:45pm | CSS 2416 |

**ASTR480** **High Energy Astrophysics**

**ASTR480 High Energy Astrophysics; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Must have completed or be concurrently enrolled in ASTR320; or permission of CMNS-Astronomy department.* The structure, formation, and astrophysics of compact objects, such as white dwarfs, neutron stars, and black holes, are examined. Phenomena such as supernovae and high-energy particles are also covered.

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| 0101 | RIchard Mushotzky | Seats (Total: 20) |
| | TuTh 3:30pm - 4:45pm | CSS 2416 |

**ASTR498** **Special Problems in Astronomy**

**ASTR498** *(PermReq)* **Special Problems in Astronomy; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ASTR610** **Astronomical Instrumentation and Techniques**

**ASTR610 Astronomical Instrumentation and Techniques; (3 credits)** Grade Method: REG/AUD.
*Restriction: Permission of CMNS-Astronomy department.* Review of Maxwell's equations; designs of telescopes, spectrographs, modern detectors; basic concepts for radio detectors and telescopes; interferometry and data processing.

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|---|---|---|
| 0101 | Andrew Harris | Seats (Total: 20) |
| | TuTh 12:30pm - 1:45pm | CSS 0201 |

**ASTR680** **High Energy Astrophysics**

**ASTR680 High Energy Astrophysics; (3 credits)** Grade Method: REG/AUD.
*Restriction: Permission of CMNS-Astronomy department. Formerly: ASTR688M.* The structure, formation, and astrophysics of compact objects, such as white dwarfs, neutron stars, and black holes, are examined.

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| 0101 | Suvi Gezari | Seats (Total: 20) |
| | TuTh 2:00pm - 3:15pm | CSS 0201 |

**ASTR699** **Special Problems in Advanced Astronomy**

**ASTR699** *(PermReq)* **Special Problems in Advanced Astronomy; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ASTR799** **Master's Thesis Research**

**ASTR799 Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ASTR898** **Pre-Candidacy Research**

**ASTR898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ASTR899** **Doctoral Dissertation Research**

**ASTR899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# BCHM Biochemistry Spring 2013

**BCHM461** **Biochemistry I**

The College of Computer, Mathematical and Natural Sciences enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.
Registration in course sections which begin with "SES*" is restricted to students admitted into the Science in the Evening Program, administered through the Office of Extended Studies. For complete information, visit: http://oes.umd.edu/index.php?slab=sie , e-mail oes@umd.edu, or call 301-405-7762.
**BCHM461 Biochemistry I; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in CHEM271 and CHEM272; or minimum grade of C- in CHEM276 and CHEM277. Credit only granted for: BCHM461 or BCHM463.* First semester of a comprehensive introduction to modern biochemistry. Structure, chemical properties, and function of proteins and enzymes, carbohydrates, lipids, and nucleic acids. Basic enzyme kinetics and catalytic mechanisms.

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| 0101 | Vitali Tugarinov<br>TuTh 9:30am - 10:45am | Seats (Total: 160)<br>CHM 1407 |
| 0102 | Paul Paukstelis<br>TuTh 12:30pm - 1:45pm | Seats (Total: 130)<br>CHM 1402 |

**BCHM462** **Biochemistry II**

**BCHM462 Biochemistry II; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: Minimum grade of C- in BCHM461. Credit only granted for: BCHM462 or BCHM463.* A continuation of BCHM 461. Metabolic pathways and metabolic regulation, energy transduction in biological systems, enzyme catalytic mechanisms.

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| 0101 | George Lorimer<br>TuTh 3:30pm - 4:45pm | Seats (Total: 140)<br>CHM 1407 |

**BCHM463** **Biochemistry of Physiology**

**BCHM463 Biochemistry of Physiology; (3 credits)** Grade Method: REG/AUD. *Prerequisite: Minimum grade of C- in CHEM271 and CHEM272; or minimum grade of C- in CHEM276 and CHEM277. Credit only granted for: BCHM461, BCHM462 or BCHM463.* A one-semester introduction to general biochemistry. A study of protein structure, enzyme catalysis, metabolism, and metabolic regulation with respect to their relationship to physiology.

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| 0101 | Bonnie Dixon<br>MWF 11:00am - 11:50am | Seats (Total: 130)<br>CHM 1402 |
| SES1 | Erik Lontok<br>M 6:30pm - 9:30pm | Seats (Total: 35)<br>MCB 1207 |
| | *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.* | |

**BCHM464** **Biochemistry Laboratory**

**BCHM464 Biochemistry Laboratory; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: BCHM461 or BCHM463; and a grade of C- or better in the prerequisite is required for all College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: BCHM465. Restriction: BCHM, CHEM, and Nutritional Sciences majors have first priority, followed by other life science majors.* Biochemical and genetic methods for studying protein function. Site-directed mutagenesis and molecular cloning, protein purification, enzyme activity assays, computer modeling of protein structure. Students must pay a $40.00 lab materials fee.

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| 0101 | Jason Hustedt<br>Tu 12:30pm - 1:20pm<br>Th 12:30pm - 5:20pm | Seats (Total: 18)<br>CHM 1228<br>CHM 1119 | <br><br>Lab |
| 0102 | Jason Hustedt<br>Tu 12:30pm - 1:20pm<br>W 1:00pm - 6:00pm | Seats (Total: 18)<br>CHM 1228<br>CHM 1119 | <br><br>Lab |

**BCHM465** **Biochemistry III**

**BCHM465 Biochemistry III; (3 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
*Prerequisite: BCHM461 or BCHM463; and a grade of C- or better in the prerequisite is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Recommended: BCHM462.* CORE Capstone (CS) Course. An advanced course in biochemistry. Biochemical approach to cellular information processing. DNA and RNA structure. DNA replication, transcription, and repair. Translation of mRNA to make proteins.

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| 0101 | Theodore Dayie<br>MWF 12:00pm - 12:50pm | Seats (Total: 80)<br>CHM 1402 |

**BCHM485** **Physical Biochemistry**

**BCHM485 Physical Biochemistry; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in CHEM481. Restriction: Must be in Biochemistry program; or permission of instructor. Credit only granted for: CHEM482 or BCHM485.* Physical Chemistry with applications to biological systems. Principal topics: quantum chemistry, spectroscopy, structural methods for biological macromolecules, statistical thermodynamics, transport processes in liquid phase, chemical and biochemical kinetics, modeling and simulation, polymer dynamics.

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| 0101 | David Fushman<br>TuTh 9:30am - 10:45am | Seats (Total: 55)<br>CHM 2201 |

**BCHM669X** **Special Topics in Biochemistry; Biomolecular X-Ray Crystallography**

**BCHM669X Special Topics in Biochemistry: Biomolecular X-Ray Crystallography; (3 credits)** Grade Method: REG/AUD.
Topics covered will include macromolecular crystallization techniques and theory, crystal geometry, diffraction theory, data collection and statistical analysis, calculation of electron density and approaches to solving the phase problem, model building and refinement, as well as structure validation and analysis. A "hands-on" approach will be used to demonstrate the determination of structure from diffraction data using readily available software tools.

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| 0101 | Nicole LaRonde | Seats (Total: 20) |
| | TuTh 1:30pm - 2:45pm | BSB 2118 |

**BCHM675** **Biophysical Chemistry**

**BCHM675 Biophysical Chemistry; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: CHEM481 and BCHM461; or students who have taken courses with comparable content may contact the department.* Conformation, shape, structure, conformational changes, dynamics and interactions of biological macromolecules and complexes or arrays of macromolecules. Physical techniques for studying properties of biological macromolecules.

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| 0101 | Dorothy Beckett | Seats (Total: 25) |
| | TuTh 9:30am - 10:45am | CHM 1224 |

**BCHM676** **Biological Mass Spectrometry**

**BCHM676 Biological Mass Spectrometry; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: BCHM461 or BCHM463. Formerly: BCHM669B.* Fundamentals of modern mass spectrometry and use with biochemical techniques to provide unique analyses of drug metabolites, lipids, carbohydrates, nucleotides and proteins. The interface with bioinformatics will be examined, which provides the foundation of proteomics. Also offered as BIOE689B and CHEM699A.

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| 0101 | Catherine Fenselau | Seats (Total: 30) |
| | TuTh 12:30pm - 1:45pm | CHM 1224 |

**BCHM698** **Literature Seminar in Biochemistry**

**BCHM698 Literature Seminar in Biochemistry; (1 credit)** Grade Method: REG.

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|---|---|---|
| 0101 | Jason Kahn | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**BCHM699** **Special Problems in Biochemistry**

**BCHM699 Special Problems in Biochemistry; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Open only to non-thesis M.S. degree candidates.

**Contact department for information to register for this course.**

**BCHM799** **Master's Thesis Research**

**BCHM799 Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**BCHM889A** **Seminar; Biochemistry**

**BCHM889A Seminar: Biochemistry; (1-3 credits)** Grade Method: REG/AUD.

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| 0101 | George Lorimer | Seats (Total: 35) |
| | Tu 11:00am - 11:50am | Location: TBA |

**BCHM889B** **Seminar**

**BCHM889B Seminar; (1-3 credits)** Grade Method: REG/AUD.
Formerly: BCHM889H.

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| 0101 | Instructor: TBA | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**BCHM889D** **Seminar; Enzymology of Recombination**

**BCHM889D** *(PermReq)* **Seminar: Enzymology of Recombination; (1 credit)** Grade Method: REG/AUD.

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| 0101 | Instructor: TBA | Seats (Total: 5) |
| | Contact instructor or department for details. | |

**BCHM889F** **Seminar; Bacterial Spores**

**BCHM889F** *(PermReq)* **Seminar: Bacterial Spores; (1 credit)** Grade Method: REG/AUD.

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| 0101 | Instructor: TBA | Seats (Total: 5) |
| | Contact instructor or department for details. | |

**BCHM889G** **Seminar; Biological Mass Spectrometry**

**BCHM889G** *(PermReq)* **Seminar: Biological Mass Spectrometry; (1 credit)** Grade Method: REG/AUD.

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| 0101 | Instructor: TBA | Seats (Total: 5) |
| | Contact instructor or department for details. | |

**BCHM889M** **Seminar; Modern Methods in NMR and Structural Biology**

**BCHM889M Seminar: Modern Methods in NMR and Structural Biology; (1 credit)** Grade Method: REG/AUD.

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| 0101 | David Fushman | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**BCHM898** **Pre-Candidacy Research**

**BCHM898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**BCHM899** **Doctoral Dissertation Research**

**BCHM899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# BIOE Bioengineering Spring 2013

**BIOE120** **Biology for Engineers**

**BIOE120** *(PermReq)* **Biology for Engineers; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Permission of ENGR-Fischell Department of Bioengineering department.* Introduction to the functions and interactions of biological systems from a quantitative perspective. Introduction to the modern experimental techniques and methods of data analysis. Roles for bioengineers in biology, and the role of biology in bioengineering will be elucidated.

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| 0101 | Ganesh Sriram<br>TuTh 2:00pm - 3:15pm<br>Tu 5:00pm - 5:50pm | Seats (Total: 40)<br>CHE 2110<br>BPS 1236 | <br><br>Discussion |
| 0102 | Ganesh Sriram<br>TuTh 2:00pm - 3:15pm<br>Th 5:00pm - 5:50pm | Seats (Total: 40)<br>CHE 2110<br>PLS 1119 | <br><br>Discussion |
| 0201 | Idalis Villanueva<br>MW 2:00pm - 3:15pm<br>F 3:00pm - 3:50pm | Seats (Total: 40)<br>CSS 2324<br>CHE 2136 | <br><br>Discussion |
| 0202 | Idalis Villanueva<br>MW 2:00pm - 3:15pm<br>F 4:00pm - 4:50pm | Seats (Total: 40)<br>CSS 2324<br>CHE 2136 | <br><br>Discussion |

**BIOE121** **Biology for Engineers Laboratory**

**BIOE121** *(PermReq)* **Biology for Engineers Laboratory; (1 credit)** Grade Method: REG/P-F/AUD.
*Restriction: Must be in Engineering: Bioengineering program.* This course will build on the material covered in BIOE120. Experiments conducted in this laboratory course will cover topics such as biomechanical principles, biochemical methods, genetics and selection, scaling, microcosm interactions, human factors and imaging.

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| 0101 | Idalis Villanueva<br>M 10:00am - 10:50am<br>W 10:00am - 11:30am | Seats (Total: 20)<br>CHE 2108<br>CHE 1145 | <br><br>Lab |
| 0102 | Idalis Villanueva<br>M 10:00am - 10:50am<br>W 1:00pm - 2:30pm | Seats (Total: 20)<br>CHE 2108<br>CHE 1145 | <br><br>Lab |

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|---|---|---|---|
| 0103 | Idalis Villanueva<br>M 10:00am - 10:50am<br>F 10:00am - 11:30am | Seats (Total: 20)<br>CHE 2108<br>CHE 1145 | <br><br>Lab |
| 0104 | Idalis Villanueva<br>M 10:00am - 10:50am<br>F 1:00pm - 2:30pm | Seats (Total: 20)<br>CHE 2108<br>CHE 1145 | <br><br>Lab |

**BIOE150** **Applied Ethics and Public Policy in Bioengineering**

**BIOE150 Applied Ethics and Public Policy in Bioengineering; (3 credits)** Grade Method: REG. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - Scholarship in Practice.
*Credit only granted for: BIOE150 or HONR288L.* Students learn about medical devices such as heart valves and artificial hearts. Government requirements for clinical testing and the obligations that physicians, manufacturers, FDA and Congress have to patients are discussed.

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| 0101 | Glenn Rahmoeller<br>TuTh 3:30pm - 4:45pm | Seats (Total: 30)<br>BPS 0283 |

**BIOE232** **Bioengineering Thermodynamics**

**BIOE232** *(PermReq)* **Bioengineering Thermodynamics; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PHYS261 and PHYS260; and permission of ENGR-Fischell Department of Bioengineering department. Restriction: Must be in Engineering: Bioengineering program. Credit only granted for: BIOE232, ENES232, ENME232, or ENME320.* A quantitative introduction to thermodynamic analysis of bioengineering systems. Bioengineering encompasses a wide range of applications from nanoscale interactions (e.g. reactions between molecules), to cellular interactions (e.g. membrane electrical currents), to overall balances on organisms, all the way to large scale manufacturing. Each of these applications (and many others not mentioned) involve energy interactions which is the domain of thermodynamics. The basic laws of thermodynamics will be introduced and explained through a series of examples related to bioengineering systems.

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| 0101 | Keith Herold<br>TuTh 11:00am - 12:15pm<br>F 9:00am - 10:50am | Seats (Total: 45)<br>SYM 0200<br>CHE 2118 | Discussion |
| 0102 | Keith Herold<br>TuTh 11:00am - 12:15pm<br>F 11:00am - 12:50pm | Seats (Total: 45)<br>SYM 0200<br>CHE 2118 | Discussion |

**BIOE241** **Biocomputational Methods**

**BIOE241** *(PermReq)* **Biocomputational Methods; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Permission of ENGR-Fischell Department of Bioengineering department.*
Application of computer technology to biological and natural resource systems considering engineering aspects. Designed to help students in the use of computer technology for problem solving. The course will cover 4-5 software packages important for later use by the student.

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| 0101 | Hubert Montas<br>MWF 5:00pm - 5:50pm | Seats (Total: 35)<br>KEB 2111 | |
| 0201 | Hubert Montas, Xin Chen<br>MWF 4:00pm - 4:50pm | Seats (Total: 35)<br>KEB 2111 | |
| 0301 | Hubert Montas<br>MWF 3:00pm - 3:50pm | Seats (Total: 30)<br>KEB 2111 | |

**BIOE289A** **Designing a Sustainable World**

**BIOE289A Designing a Sustainable World; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

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| 0101 | Leigh Abts<br>TuTh 12:30pm - 1:45pm | Seats (Total: 50)<br>CCC 1111 | |

**BIOE331** **Biofluids**

**BIOE331 Biofluids; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: MATH246, BIOE120, BIOE121, and BIOE241; and (ENES232 or BIOE232). Restriction: Must be in Engineering: Bioengineering program; and permission of ENGR-Fischell Department of Bioengineering department. Also offered as: ENME331. Credit only granted for: BIOE331, ENCE305, or ENME331.* Principles of fluid mechanics. Mass, momentum and energy conservation. Hydrostatics. Control volume analysis. Internal and external flow. Boundary layers. Modern measurement techniques. Computer analysis. Laboratory experiments.

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| 0101 | Nils Tilton, Marino diMarzo, Kenneth Kiger<br>MW 12:00pm - 12:50pm<br>F 1:00pm - 2:50pm | Seats (Total: 30)<br>EGR 1202<br>KEB 1200 | <br><br>Lab |
| 0102 | Kenneth Kiger, Marino diMarzo, Nils Tilton<br>MW 12:00pm - 12:50pm<br>W 1:00pm - 2:50pm | Seats (Total: 30)<br>EGR 1202<br>KEB 1200 | <br><br>Lab |
| 0103 | Nils Tilton, Marino diMarzo, Kenneth Kiger<br>MW 12:00pm - 12:50pm<br>Th 1:00pm - 2:50pm | Seats (Total: 30)<br>EGR 1202<br>KEB 1200 | <br><br>Lab |
| 0104 | Marino diMarzo, Nils Tilton, Kenneth Kiger<br>MW 12:00pm - 12:50pm<br>W 3:00pm - 4:50pm | Seats (Total: 30)<br>EGR 1202<br>JMP 2202 | <br><br>Lab |

**BIOE332** **Transport Process Design**

**BIOE332** *(PermReq)* **Transport Process Design; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: MATH246, BIOE120, BIOE121, and BIOE241; and must have completed or be concurrently enrolled in BIOE331 or ENME331; and permission of ENGR-Fischell Department of Bioengineering department.* Fluid flow, heat transfer, and mass transfer with applications in medicine, environment, biotechnology, food, agriculture, and other biosystems. Design of solutions to current problems in biological engineering is emphasized.

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| 0101 | Jose Aranda-Espinoza<br>TuTh 9:30am - 10:45am<br>Tu 2:00pm - 2:50pm | Seats (Total: 45)<br>CHM 1402<br>SPH 1301 | <br><br>Discussion |

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| 0102 | Jose Aranda-Espinoza<br>TuTh 9:30am - 10:45am<br>Th 2:00pm - 2:50pm | Seats (Total: 45)<br>CHM 1402<br>HBK 0115 | <br><br>Discussion |

**BIOE371** **Bioengineering Math and Statistics**

**BIOE371** *(PermReq)* **Bioengineering Math and Statistics; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Must have completed or be concurrently enrolled in MATH246.* This class will cover mathematics essentials that are required for bioengineering, specifically: statistics, linear algebra, differential equations, and feedback systems in biology. The course will emphasize fundamentals and numerical implementation (e.g. using Matlab). Example will be taken from bioengineering applications.

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| 0101 | Benjamin Shapiro<br>MW 1:00pm - 1:50pm<br>F 1:00pm - 2:50pm | Seats (Total: 105)<br>CSS 2324<br>CSS 2324 | <br><br>Lab |

**BIOE399** **Independent Study in Bioengineering**

**BIOE399** *(PermReq)* **Independent Study in Bioengineering; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

**Contact department for information to register for this course.**

**BIOE411** **Tissue Engineering**

**BIOE411** *(PermReq)* **Tissue Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Must have completed at least one biology course; and MATH241. Recommended: BSCI330 and BIOE340.* A review of the fundamental principles involved in the design of engineered tissues and organs. Both biological and engineering fundamentals will be considered. Also offered as ENCH468T and ENCHT648T.

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| 0101 | John Fisher<br>W 2:00pm - 4:30pm | Seats (Total: 20)<br>EGR 1104 | <br> |

**BIOE420** **Bioimaging**

**BIOE420** *(PermReq)* **Bioimaging; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MATH246, BIOE120, BIOE121, and BIOE241; and permission of ENGR-Fischell Department of Bioengineering department. Restriction: Must be in Engineering: Bioengineering program.* Examines the physical principles behind major biomedical imaging modalities and new ways of using images for bio-related applications.

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| 0101 | Yu Chen<br>TuTh 3:30pm - 4:45pm<br>W 9:00am - 9:50am | Seats (Total: 45)<br>CSS 2324<br>CHE 2118 | <br><br>Discussion |
| 0102 | Yu Chen<br>TuTh 3:30pm - 4:45pm<br>W 10:00am - 10:50am | Seats (Total: 45)<br>CSS 2324<br>EGR 1108 | <br><br>Discussion |

**BIOE431** **Fundamentals of Biosensor Techniques, Instrumentation, and Applications**

**BIOE431 Fundamentals of Biosensor Techniques, Instrumentation, and Applications; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: CHEM135, PHYS161, PHYS261, and BSCI330. Restriction: Permission of ENGR-Fischell Department of Bioengineering department.* A thorough review of fundamental concepts of biosensing systems, principles of common detection methods, and modern applications of biosensors. Primarily literature driven. Students will obtain a detailed understanding of cutting-edge biosensing techniques, the instrumentation used, and the application space. Students also will develop skills in using current literature as a source of knowledge.

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|---|---|---|---|
| 0101 | Ian White<br>MW 11:00am - 12:15pm | Seats (Total: 20)<br>EGR 1108 | |

**BIOE453** **Biomaterials**

**BIOE453** *(PermReq)* **Biomaterials; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: CHEM231, MATH246, CHEM232, BIOE120, BIOE121, and BIOE241. Corequisite: BIOE454. Restriction: Permission of ENGR-Fischell Department of Bioengineering department. Also offered as: ENMA425. Credit only granted for: ENBE453, BIOE453, or ENMA425. Formerly: ENBE453.* Examination of the structure and function of natural biomaterials, and cell-extracellular matrix interactions. Study physical properties of synthetic biomaterials for biomedical applications. Understanding molecular level interactions between biomolecules and biomaterials to design novel biomaterials with desirable characteristics. Application of biomaterials as implants, drug delivery systems, biosensors, engineered materials such as artificial skin and bone growth scaffolds will be covered.

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| 0101 | Joonil Seog | Seats (Total: 103) |
| | TuTh 11:00am - 12:15pm | CHE 2110 |

**BIOE486** **Capstone Design II**

**BIOE486 Capstone Design II; (3 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: Must have completed BIOE485 in the immediately preceding semester. Restriction: Senior standing; and must be in Engineering: Bioengineering program; and permission of ENGR-Fischell Department of Bioengineering department. Credit only granted for: BIOE486 or ENBE486. Formerly: ENBE486.* This is the second part of the senior capstone design course. This part is independent instruction where faculty mentoring each project team works with students to order supplies, fabricate their proposed design under BIOE485, test the design, write the report and present it to their fellow seniors and board of faculty mentors. Students are taught to convert the blue print of a design to actual device and test it.

**Contact department for information to register for this course.**

**BIOE489G** **Special Topics in Bioengineering; Synthetic Biology**

**BIOE489G** *(PermReq)* **Special Topics in Bioengineering: Synthetic Biology; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Edward Eisenstein | Seats (Total: 30) |
| | Th 5:00pm - 7:45pm | JMP 1202 |

**BIOE489H** **Special Topics in Bioengineering; Bioengineering Honors Seminar**

**BIOE489H** *(PermReq)* **Special Topics in Bioengineering: Bioengineering Honors Seminar; (1 credit)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Adam Hsieh<br>Tu 12:00pm - 1:00pm | Seats (Total: 10)<br>Location: TBA |

**BIOE606** **Laboratory Rotations II**

**BIOE606** *(PermReq)* **Laboratory Rotations II; (1 credit)** Grade Method: REG/AUD. *Restriction: Must be in one of the following programs (ENGR: PhD Only-Bioengineering (Master's); ENGR: PhD Only-Bioengineering (Doctoral)).* Provide students with the opportunity to experience different laboratory environments. Students gain exposure to graduate research, learn awide variety of laboratory techniques, become familiar with BIOE faculty, and develop insight into personal research interests and direction. Laboratory rotations are required in the Fall and Spring of the first year of the Ph.D. program. BIOE605: Laboratory Rotations 1 will be held in the Fall semester; BIOE606: Laboratory Rotations 2 will be held in the Spring semester.

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| 0101 | John Fisher<br>F 1:00pm - 1:50pm | Seats (Total: 20)<br>EGR 1110 |

**BIOE608** **Bioengineering Seminar Series**

**BIOE608 Bioengineering Seminar Series; (1 credit)** Grade Method: REG/AUD. For BIOE majors only.

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|---|---|---|
| 0101 | Ian White<br>F 11:00am - 11:50am | Seats (Total: 20)<br>KEB 1200 |

**BIOE611** **Advanced Tissue Engineering**

**BIOE611 Advanced Tissue Engineering; (3 credits)** Grade Method: REG/AUD. *Prerequisite: Must have completed at least one biology course; and MATH241. Recommended: BSCI330 and BIOE340. Credit only granted for: BIOE611 or BIOE689T. Formerly: BIOE689T.* A review of the fundamental principles involved in the design of engineered tissues and organs. Both biological and engineering fundamentals will be considered. Also offered as ENCH648T.

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| 0101 | John Fisher<br>W 2:00pm - 4:30pm | Seats (Total: 10)<br>EGR 1104 |

**BIOE612** **Physiological Evaluation of Bioengineering Designs**

**BIOE612 Physiological Evaluation of Bioengineering Designs; (3 credits)** Grade Method: REG/AUD.
Bioengineering designs of biomaterials, biomedical devices, imaging and drug delivery agents, tissue engineering, prosthesis (among others), offer the opportunity to improve health care. This course is aimed at providing knowledge to lead bioengineering designs on the basis of biocompatibility and to provide tools to assess their patho-physiological impact in biological systems. For BIOE majors only.

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|---|---|---|
| 0101 | Silvia Muro<br>TuTh 5:00pm - 6:15pm | Seats (Total: 30)<br>CHE 2136 |
| BI01 | Silvia Muro<br>Class time/details on ELMs<br>*This section is restricted to Professional Master of Engineering or Gra uate Certificate of Engineering students.* | Seats (Total: 8)<br>ONLINE |

**BIOE631** **Biosensor Techniques, Instrumentation, and Applications**

**BIOE631 Biosensor Techniques, Instrumentation, and Applications; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Permission of ENGR-Fischell Department of Bioengineering department. Credit only granted for: BIOE631, BIOE689Z, or CHPH718Z. Formerly: BIOE689Z.* A thorough review of fundamental concepts of biosensing systems, principles of common detection methods, and modern applications of biosensors. Primarily literature driven. Students will obtain a detailed understanding of cutting-edge biosensing techniques, the instrumentation used, and the application space. Students also will develop skills in using current literature as a source of knowledge.

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|---|---|---|
| 0101 | Ian White<br>MW 11:00am - 12:15pm | Seats (Total: 25)<br>EGR 1108 |

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|---|---|---|
| BI01 | Ian White | Seats (Total: 5) |
| | Class time/details on ELMs | ONLINE |
| | *This section is restricted to Professional Master of Engineering or Graduate Certificate of Engineering students only.* | |

**BIOE640** **Polymer Physics**

**BIOE640 Polymer Physics; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ENMA471; or permission of instructor. Also offered as: ENMA620. Credit only granted for: ENMA620 or BIOE640.* Graduate course covering theoretical aspects of the behavior of polymeric materials. It covers statistical properties and thermodynamics of single chain and multichain systems.

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|---|---|---|
| 0101 | Robert Briber | Seats (Total: 25) |
| | MW 5:00pm - 6:15pm | CHE 2145 |

**BIOE653** **Advanced Biomaterials**

**BIOE653 Advanced Biomaterials; (3 credits)** Grade Method: REG/AUD.
*Restriction: Permission of ENGR-Fischell Department of Bioengineering department. Also offered as: ENMA625. Credit only granted for: ENMA625 or BIOE653.* Examine the relationship between structure and function of biomaterials. Study physical properties of synthetic and natural biomaterials. Understand molecular level interactions between biomolecules and biomaterials to design novel biomaterials with desirable characteristics. Application of biomaterials as implants, drug delivery systems, biosensors, and scaffold materials for tissue engineering will be covered.

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|---|---|---|
| 0101 | Joonil Seog | Seats (Total: 10) |
| | TuTh 11:00am - 12:15pm | CHE 2110 |

**BIOE689** **Special Topics in Bioengineering**

**BIOE689 Special Topics in Bioengineering; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**BIOE689A** **Special Topics in Bioengineering; Protein Design and Engineering**

**BIOE689A** *(PermReq)* **Special Topics in Bioengineering: Protein Design and Engineering; (3 credits)** Grade Method: REG.
Prerequisite: permission of department.

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|---|---|---|
| 0101 | Philip Bryan<br>M 4:00pm - 6:40pm | Seats (Total: 20)<br>JMP 2216 |
| BI01 | Philip Bryan<br>Class time/details on ELMs | Seats (Total: 10)<br>ONLINE |

**BIOE689B** **Special Topics in Bioengineering; Biological Mass Spectrometry**

**BIOE689B Special Topics in Bioengineering: Biological Mass Spectrometry; (3 credits)** Grade Method: REG.
Also offered as BCHM676 and CHEM699A. Recommended that students have a m odest amount of formal biochemistry instruction.

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| 0101 | Catherine Fenselau<br>TuTh 12:30pm - 1:45pm | Seats (Total: 30)<br>CHM 1224 |

**BIOE689D** **Special Topics in Bioengineering; Computational Molecular Bioengineering**

**BIOE689D Special Topics in Bioengineering: Computational Molecular Bioengineering; (3 credits)** Grade Method: REG.

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| 0101 | Silvina Matysiak<br>TuTh 9:30am - 10:45am | Seats (Total: 15)<br>CSS 1410 |

**BIOE689N** **Special Topics in Bioengineering; Bionanotechnology**

**BIOE689N Special Topics in Bioengineering: Bionanotechnology; (3 credits)** Grade Method: REG.
Also offered as ENCH648N.

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|---|---|---|
| 0101 | Srinivasa Raghavan<br>TuTh 3:30pm - 4:45pm | Seats (Total: 30)<br>CHE 2110 |

**BIOE799** **Master's Thesis Research**

**BIOE799 Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**BIOE898** **Pre-Candidacy Research**

**BIOE898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**BIOE899** **Doctoral Dissertation Research**

**BIOE899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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## BIOL Biology Spring 2013

**BIOL600** **Ethics in Scientific Research**

**BIOL600** *(PermReq)* **Ethics in Scientific Research; (2 credits)** Grade Method: REG. *Restriction: Must have completed at least one year of graduate study. Credit only granted for: BIOL600 or ZOOL600. Formerly: ZOOL600.* Issues of sceintific integrity with emphasis on investigators in the laboratory sciences, including mentoring, scientific record keeping, authorship and peer review, ownership of data, use of animals and humans in research, and conflict of interest. Also offered as CHEM648E, NACS600, and PSYC788B.

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|---|---|---|
| 0101 | Philip DeShong, Robert Dooling | Seats (Total: 20) |
| | W 3:00pm - 5:00pm | BPS 1208 |

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**BIOL608B** **Biology Seminar; Seminar in Behavior Ecology**

**BIOL608B** *(PermReq)* **Biology Seminar: Seminar in Behavior Ecology; (1 credit)** Grade Method: REG.

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|---|---|---|
| 0101 | Gerald Borgia | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**BIOL608D** **Biology Seminar; Evolution & Development Seminar**

**BIOL608D Biology Seminar: Evolution & Development Seminar; (1-2 credits)** Grade Method: REG.

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|---|---|---|
| 0101 | Alexandra Bely | Seats (Total: 13) |
| | Contact instructor or department for details. | |

**BIOL608Q** **Biology Seminar; Readings in Neurophysiology**

**BIOL608Q** *(PermReq)* **Biology Seminar: Readings in Neurophysiology; (1 credit)** Grade Method: REG.

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|---|---|---|
| 0101 | Elizabeth Quinlan | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**BIOL609** **Special Problems in Biology**

**BIOL609 Special Problems in Biology; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**BIOL704** **Cell Biology from a Biophysical Perspective**

**BIOL704 Cell Biology from a Biophysical Perspective; (3 credits)** Grade Method: REG/AUD.
*Recommended: BSCI330, PHYS121, and PHYS122. Also offered as: BSCI404. Credit only granted for: BSCI404, BIOL704, BIOL708O, or BIPH704. Formerly: BIOL708O.*
An approach to cell biology by focusing on mechanisms and unifying paradigms. It will not assume a great deal of factual biological knowledge, but will expect a background that prepares students to think quantitatively and mechanistically.

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|---|---|---|
| 0101 | Sergei Sukharev | Seats (Total: 4) |
| | TuTh 3:30pm - 4:45pm | PLS 1113 |

**BIOL708A** **Advanced Topics in Biology; Cell Biology**

**BIOL708A Advanced Topics in Biology: Cell Biology; (3 credits)** Grade Method: REG.

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| 0101 | Stephen Wolniak<br>TuTh 8:00am - 9:15am | Seats (Total: 8)<br>PLS 1140 |

**BIOL708E** **Advanced Topics in Biology; Diseases of the Nervous System**

**BIOL708E Advanced Topics in Biology: Diseases of the Nervous System; (3 credits)** Grade Method: REG.

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|---|---|---|
| 0101 | Joshua Singer<br>TuTh 2:00pm - 3:15pm | Seats (Total: 5)<br>TWS 1100 |

**BIOL708I** **Advanced Topics in Biology; Biology of Sex**

**BIOL708I Advanced Topics in Biology: Biology of Sex; (3 credits)** Grade Method: REG.

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|---|---|---|
| 0101 | Eric Haag<br>TuTh 3:30pm - 4:45pm | Seats (Total: 15)<br>BPS 0213 |

**BIOL708M** **Advanced Topics in Biology; Mammalian Physiology**

**BIOL708M Advanced Topics in Biology: Mammalian Physiology; (3 credits)** Grade Method: REG.

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|---|---|---|
| 0101 | Ricardo Araneda<br>MWF 9:00am - 9:50am | Seats (Total: 20)<br>PLS 1164 |

**BIOL708P** **Advanced Topics in Biology; Electronics for Biologists**

**BIOL708P Advanced Topics in Biology: Electronics for Biologists; (2 credits)** Grade Method: REG.

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|---|---|---|
| 0101 | Richard Payne<br>M 2:00pm - 5:00pm | Seats (Total: 6)<br>BPS 1245 |

**BIOL708R** **Advanced Topics in Biology; Concepts in Plant and Animal Ecology**

**BIOL708R Advanced Topics in Biology: Concepts in Plant and Animal Ecology; (3 credits)** Grade Method: REG.

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|---|---|---|---|
| 0101 | Michele Dudash | Seats (Total: 10) | |
| | MW 9:30am - 10:45am | BPS 0283 | |
| | W 11:00am - 12:30pm | BPS 1230 | Discussion |

**BIOL708V** **Advanced Topics in Biology; Population Genetics**

**BIOL708V Advanced Topics in Biology: Population Genetics; (3 credits)** Grade Method: REG.
Prerequisites: BSCI 222; or the equivalent. Population genetics is the study of allele frequency, distribution, and change under the influenceg of evolutionary processes.

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|---|---|---|---|
| 0101 | Thomas Kocher | Seats (Total: 16) | |
| | Tu 1:00pm - 2:00pm | PLS 1121 | |
| | Th 1:00pm - 4:00pm | PLS 1121 | |

**BIOL709A** **Selected Advanced Topics in Biology; Grant Writing**

**BIOL709A Selected Advanced Topics in Biology: Grant Writing; (2 credits)** Grade Method: REG/AUD.
Instruction in grant-writing skill, introduction to resources, discussions on how to make your grant competitive, and insight into the review process. The goal will be to have each participant submit an NRSA. Also offered as NACS728M.

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|---|---|---|---|
| 0101 | Elizabeth Quinlan | Seats (Total: 20) | |
| | Tu 3:00pm - 5:00pm | BPS 1208 | |

**BIOL799** **Master's Thesis Research**

**BIOL799 Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F.
Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**BIOL898** **Pre-Candidacy Research**

**BIOL898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**BIOL899** **Doctoral Dissertation Research**

**BIOL899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# BIOM Biometrics Spring 2013

**BIOM301** **Introduction to Biometrics**

**BIOM301 Introduction to Biometrics; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Analytic Reasoning.
*Prerequisite: MATH113 or MATH115. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200, or SOCY201.*
Descriptive statistics, introduction to probability, sampling, confidence interval estimation, hypothesis testing, simple regression and correlation. Emphasis on simple applications of statistical techniques and interpretation of statistical results.

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|---|---|---|---|
| 0101 | Christine Hakenkamp<br>TuTh 12:30pm - 1:20pm<br>M 9:00am - 9:50am | Seats (Total: 28)<br>JMZ 0220<br>ANS 0473 | Discussion |
| 0102 | Christine Hakenkamp<br>TuTh 12:30pm - 1:20pm<br>M 10:00am - 10:50am | Seats (Total: 28)<br>JMZ 0220<br>ANS 0473 | Discussion |
| 0103 | Christine Hakenkamp<br>TuTh 12:30pm - 1:20pm<br>M 11:00am - 11:50am | Seats (Total: 28)<br>JMZ 0220<br>ANS 0473 | Discussion |
| 0104 | Christine Hakenkamp<br>TuTh 12:30pm - 1:20pm<br>Tu 8:30am - 9:20am | Seats (Total: 28)<br>JMZ 0220<br>ANS 0473 | Discussion |

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| 0105 | Christine Hakenkamp<br>TuTh 12:30pm - 1:20pm<br>Tu 9:30am - 10:20am | Seats (Total: 28)<br>JMZ 0220<br>ANS 0473 | <br><br>Discussion |
| 0106 | Christine Hakenkamp<br>TuTh 12:30pm - 1:20pm<br>Tu 11:00am - 11:50am | Seats (Total: 28)<br>JMZ 0220<br>ANS 0473 | <br><br>Discussion |
| SG91 | Christine Hakenkamp<br>M 9:00am - 10:45am<br>W 1:00pm - 1:50pm | Seats (Total: 35)<br>BLD3 3240<br>BLD3 3211 | |
| | *Registration is restricted to Biological Sciences- Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.* | | |

**BIOM602** **Biostatistics II**

**BIOM602 Biostatistics II; (4 credits)** Grade Method: REG/AUD.
*Prerequisite: BIOM601 or BIOM405.* The principles of experimental design and analysis of variance and covariance.

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| 0101 | Bahram Momen<br>TuTh 2:00pm - 3:15pm<br>Tu 3:30pm - 5:30pm | Seats (Total: 23)<br>ANS 0422<br>ANS 0473 | <br><br>Lab |
| 0102 | Bahram Momen<br>TuTh 2:00pm - 3:15pm<br>Th 3:30pm - 5:30pm | Seats (Total: 23)<br>ANS 0422<br>ANS 0473 | <br><br>Lab |

**BIOM688A** **Topics in Biometrics; Consulting Experience in Biometrics**

**BIOM688A Topics in Biometrics: Consulting Experience in Biometrics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**BIOM688E** **Topics in Biometrics; Computational and Statistical Genomics**

**BIOM688E Topics in Biometrics: Computational and Statistical Genomics; (1-3 credits)** Grade Method: REG/AUD.

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| 0101 | Jiuzhou Song | Seats (Total: 20) |
| | MW 4:00pm - 5:15pm | ANS 0402 |

**BIOM698** **Special Problems in Biometrics**

**BIOM698 Special Problems in Biometrics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# BIPH Biophysics Spring 2013

**BIPH698L** **Biophysics Seminar; Biophysics**

**BIPH698L Biophysics Seminar: Biophysics; (1 credit)** Grade Method: REG/AUD.

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| 0101 | Arpita Upadhyaya | Seats (Total: 10) |
| | M 4:00pm - 5:30pm | PHY 0405 |

**BIPH699** **Research in Biophysics**

**BIPH699 Research in Biophysics; (2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**BIPH704** **Cell Biology from a Biophysical Perspective**

**BIPH704 Cell Biology from a Biophysical Perspective; (3 credits)** Grade Method: REG/AUD.
*Recommended: BSCI330, PHYS121, and PHYS122. Also offered as: BSCI404, BIOL704. Credit only granted for: BSCI404, BIOL704, BIOL708O, or BIPH704.* An approach to cell biology by focusing on mechanisms and unifying paradigms. It will not assume a great deal of factual biological knowledge, but will expect a background that prepares students to think quantitatively and mechanistically.

| | | |
|---|---|---|
| 0101 | Sergei Sukharev | Seats (Total: 10) |
| | TuTh 3:30pm - 4:45pm | PLS 1113 |

**BIPH898** **Pre-Candidacy Research**

**BIPH898** *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**BIPH899** **Doctoral Dissertation Research**

**BIPH899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# BMGT Business and Management Spring 2013

**BMGT110** **Introduction to the Business Value Chain**

**BMGT110 Introduction to the Business Value Chain; (3 credits)** Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Students are provided with an introduction to the business value chain with an emphasis on inter-organizational and intra-organizational coordination of core business processes. Emphasis is on cross-functional integration and the efficient and effective management of core processes with an emphasis on marketing, operations and supply chain management.

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|---|---|---|
| 0101 | Howard Frank<br>TuTh 12:30pm - 1:45pm | Seats (Total: 250)<br>VMH 1524 |
| 0201 | Jeff Miller<br>MW 12:30pm - 1:45pm | Seats (Total: 250)<br>VMH 1524 |

**BMGT198F** **Special Topics in Business and Management; Freshman Fellows Colloquium**

**BMGT198F** *(PermReq)* **Special Topics in Business and Management: Freshman Fellows Colloquium; (1 credit)** Grade Method: REG.
Restricted to students in the Smith School's Freshman Fellows program.

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|---|---|---|
| FP01 | Hugh Turner<br>**Meets January 23, 2013 - April 5, 2013**<br>M 9:30am - 10:45am | Seats (Total: 31)<br><br>VMH 2203 |

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|---|---|---|
| FP02 | Hugh Turner<br>**Meets January 23, 2013 - April 5, 2013**<br>M 11:00am - 12:15pm | Seats (Total: 31)<br><br>VMH 2203 |
| FP03 | Hugh Turner<br>**Meets January 23, 2013 - April 5, 2013**<br>Tu 2:00pm - 3:15pm | Seats (Total: 31)<br><br>VMH 2203 |
| FP04 | Richard Hutchins<br>**Meets January 23, 2013 - April 5, 2013**<br>W 9:30am - 10:45am | Seats (Total: 31)<br><br>VMH 2203 |
| FP05 | Richard Hutchins<br>**Meets January 23, 2013 - April 5, 2013**<br>W 11:00am - 12:15pm | Seats (Total: 31)<br><br>VMH 2203 |
| FP06 | Hugh Turner<br>**Meets January 23, 2013 - April 5, 2013**<br>M 12:30pm - 1:45pm | Seats (Total: 33)<br><br>VMH 2203 |
| FP07 | Hugh Turner<br>**Meets January 23, 2013 - April 5, 2013**<br>Tu 3:30pm - 4:45pm | Seats (Total: 31)<br><br>VMH 2203 |
| FP08 | Richard Hutchins<br>**Meets January 23, 2013 - April 5, 2013**<br>W 12:30pm - 1:45pm | Seats (Total: 31)<br><br>VMH 2203 |
| FP09 | Richard Hutchins<br>**Meets January 23, 2013 - April 5, 2013**<br>Th 2:00pm - 3:15pm | Seats (Total: 31)<br><br>VMH 2203 |
| FP10 | Richard Hutchins<br>**Meets January 23, 2013 - April 5, 2013**<br>Th 3:30pm - 4:45pm | Seats (Total: 31)<br><br>VMH 2203 |

**BMGT220 Principles of Accounting I**

**BMGT220 Principles of Accounting I; (3 credits)** Grade Method: REG.
Basic theory and techniques of contemporary financial accounting. Includes the accounting cycle and the preparation of financial statements for single owner and partnership forms of business organizations operating as service companies or merchandisers. Restricted to students with 24 credit hours completed. Where a BMGT exam conflicts with another regularly scheduled class, the student will be provided a makeup exam.

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|---|---|---|---|
| 0101 | Progyan Basu<br>TuTh 2:00pm - 3:15pm<br>F 9:00am - 9:50am | Seats (Total: 35)<br>VMH 1524<br>VMH 1202 | <br><br>Discussion |
| 0102 | Progyan Basu<br>TuTh 2:00pm - 3:15pm<br>F 10:00am - 10:50am | Seats (Total: 35)<br>VMH 1524<br>VMH 1202 | <br><br>Discussion |
| 0103 | Progyan Basu<br>TuTh 2:00pm - 3:15pm<br>F 11:00am - 11:50am | Seats (Total: 35)<br>VMH 1524<br>VMH 1202 | <br><br>Discussion |
| 0104 | Progyan Basu<br>TuTh 2:00pm - 3:15pm<br>F 12:00pm - 12:50pm | Seats (Total: 35)<br>VMH 1524<br>VMH 1202 | <br><br>Discussion |
| 0105 | Progyan Basu<br>TuTh 2:00pm - 3:15pm<br>F 1:00pm - 1:50pm | Seats (Total: 35)<br>VMH 1524<br>VMH 1202 | <br><br>Discussion |
| 0106 | Progyan Basu<br>TuTh 2:00pm - 3:15pm<br>F 2:00pm - 2:50pm | Seats (Total: 35)<br>VMH 1524<br>VMH 1202 | <br><br>Discussion |
| 0201 | Progyan Basu<br>TuTh 3:30pm - 4:45pm<br>F 9:00am - 9:50am | Seats (Total: 35)<br>VMH 1524<br>VMH 1206 | <br><br>Discussion |
| 0202 | Progyan Basu<br>TuTh 3:30pm - 4:45pm<br>F 10:00am - 10:50am | Seats (Total: 35)<br>VMH 1524<br>VMH 1206 | <br><br>Discussion |

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|---|---|---|---|
| 0203 | Progyan Basu<br>TuTh 3:30pm - 4:45pm<br>F 11:00am - 11:50am | Seats (Total: 35)<br>VMH 1524<br>VMH 1206 | Discussion |
| 0204 | Progyan Basu<br>TuTh 3:30pm - 4:45pm<br>F 12:00pm - 12:50pm | Seats (Total: 35)<br>VMH 1524<br>VMH 1206 | Discussion |
| 0205 | Progyan Basu<br>TuTh 3:30pm - 4:45pm<br>F 1:00pm - 1:50pm | Seats (Total: 35)<br>VMH 1524<br>VMH 1206 | Discussion |
| 0206 | Progyan Basu<br>TuTh 3:30pm - 4:45pm<br>F 2:00pm - 2:50pm | Seats (Total: 35)<br>VMH 1524<br>VMH 1206 | Discussion |

**BMGT221** **Principles of Accounting II**

**BMGT221 Principles of Accounting II; (3 credits)** Grade Method: REG. *Prerequisite: BMGT220.* Basic theory and techniques of accounting for managerial decision making. Involves the introduction of the corporation and manufacturing operations. Includes cost-volume-profit analysis and capital budgeting. Introduces the topics of income taxation and international accounting. Restricted to students with 24 credit hours completed. Where a BMGT exam conflicts with another regularly scheduled class, the student will be provided a makeup exam.

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|---|---|---|---|
| 0101 | Gregory Pfeiffer<br>TuTh 9:30am - 10:45am<br>F 9:00am - 9:50am | Seats (Total: 35)<br>VMH 1212<br>VMH 1303 | Discussion |
| 0102 | Gregory Pfeiffer<br>TuTh 9:30am - 10:45am<br>F 10:00am - 10:50am | Seats (Total: 35)<br>VMH 1212<br>VMH 1303 | Discussion |
| 0103 | Gregory Pfeiffer<br>TuTh 9:30am - 10:45am<br>F 11:00am - 11:50am | Seats (Total: 35)<br>VMH 1212<br>VMH 1303 | Discussion |
| 0104 | Gregory Pfeiffer<br>TuTh 9:30am - 10:45am<br>F 12:00pm - 12:50pm | Seats (Total: 35)<br>VMH 1212<br>VMH 1303 | Discussion |

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|---|---|---|---|
| 0105 | Gregory Pfeiffer<br>TuTh 9:30am - 10:45am<br>F 1:00pm - 1:50pm | Seats (Total: 35)<br>VMH 1212<br>VMH 1303 | <br><br>Discussion |
| 0106 | Gregory Pfeiffer<br>TuTh 9:30am - 10:45am<br>F 2:00pm - 2:50pm | Seats (Total: 35)<br>VMH 1212<br>VMH 1303 | <br><br>Discussion |
| 0201 | Gregory Pfeiffer<br>TuTh 11:00am - 12:15pm<br>F 9:00am - 9:50am | Seats (Total: 35)<br>VMH 1212<br>VMH 1307 | <br><br>Discussion |
| 0202 | Gregory Pfeiffer<br>TuTh 11:00am - 12:15pm<br>F 10:00am - 10:50am | Seats (Total: 35)<br>VMH 1212<br>VMH 1307 | <br><br>Discussion |
| 0203 | Gregory Pfeiffer<br>TuTh 11:00am - 12:15pm<br>F 11:00am - 11:50am | Seats (Total: 35)<br>VMH 1212<br>VMH 1307 | <br><br>Discussion |
| 0204 | Gregory Pfeiffer<br>TuTh 11:00am - 12:15pm<br>F 12:00pm - 12:50pm | Seats (Total: 35)<br>VMH 1212<br>VMH 1307 | <br><br>Discussion |
| 0205 | Gregory Pfeiffer<br>TuTh 11:00am - 12:15pm<br>F 1:00pm - 1:50pm | Seats (Total: 35)<br>VMH 1212<br>VMH 1307 | <br><br>Discussion |
| 0206 | Gregory Pfeiffer<br>TuTh 11:00am - 12:15pm<br>F 2:00pm - 2:50pm | Seats (Total: 35)<br>VMH 1212<br>VMH 1307 | <br><br>Discussion |
| 0301 | Gregory Pfeiffer<br>TuTh 12:30pm - 1:45pm<br>F 9:00am - 9:50am | Seats (Total: 35)<br>VMH 1212<br>VMH 1336 | <br><br>Discussion |
| 0302 | Gregory Pfeiffer<br>TuTh 12:30pm - 1:45pm<br>F 10:00am - 10:50am | Seats (Total: 35)<br>VMH 1212<br>VMH 1336 | <br><br>Discussion |

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| 0303 | Gregory Pfeiffer<br>TuTh 12:30pm - 1:45pm<br>F 11:00am - 11:50am | Seats (Total: 35)<br>VMH 1212<br>VMH 1336 | Discussion |
| 0304 | Gregory Pfeiffer<br>TuTh 12:30pm - 1:45pm<br>F 12:00pm - 12:50pm | Seats (Total: 35)<br>VMH 1212<br>VMH 1336 | Discussion |
| 0305 | Gregory Pfeiffer<br>TuTh 12:30pm - 1:45pm<br>F 1:00pm - 1:50pm | Seats (Total: 35)<br>VMH 1212<br>VMH 1336 | Discussion |
| 0306 | Gregory Pfeiffer<br>TuTh 12:30pm - 1:45pm<br>F 2:00pm - 2:50pm | Seats (Total: 35)<br>VMH 1212<br>VMH 1336 | Discussion |

**BMGT221H** **Principles of Accounting II**

**BMGT221H Principles of Accounting II; (3 credits)** Grade Method: REG. *Prerequisite: BMGT220.* Basic theory and techniques of accounting for managerial decision making. Involves the introduction of the corporation and manufacturing operations. Includes cost-volume-profit analysis and capital budgeting. Introduces the topics of income taxation and international accounting. Restricted to Honors students with 24 hours completed. Where a BMGT exam conflicts with another regularly scheduled class, the student will be provided a makeup exam.

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|---|---|---|---|
| 0101 | Lei Zhou<br>TuTh 11:00am - 12:15pm | Seats (Total: 35)<br>VMH 1415 | |
| 0201 | Lei Zhou<br>TuTh 9:30am - 10:45am | Seats (Total: 35)<br>VMH 1415 | |

**BMGT230** **Business Statistics**

**BMGT230 Business Statistics; (3 credits)** Grade Method: REG. GenEd: Fundamental Studies - Analytic Reasoning.
*Prerequisite: MATH113 or MATH115; or must have math eligibility of MATH220 or higher. Restriction: Must not have completed ENCE302, ENME392, STAT400, BMGT231, or ENEE324. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200 or SOCY201.* Introductory course in probabilistic and statistical concepts including descriptive statistics, set-theoretic development of probability, the properties of discrete and continuous random variables, sampling theory, estimation, hypothesis testing, regression and decision theory and the application of these concepts to problem solving in business and the application of these concepts to problem solving in business and management. Where a BMGT exam conflicts with a regularly scheduled class, the student will be provided with a makeup exam.

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|---|---|---|---|
| 0101 | Radu Lazar<br>MW 9:30am - 10:45am<br>F 8:00am - 8:50am | Seats (Total: 32)<br>VMH 1524<br>VMH 1415 | <br><br>Discussion |
| 0102 | Radu Lazar<br>MW 9:30am - 10:45am<br>F 9:00am - 9:50am | Seats (Total: 32)<br>VMH 1524<br>VMH 1415 | <br><br>Discussion |
| 0103 | Radu Lazar<br>MW 9:30am - 10:45am<br>F 10:00am - 10:50am | Seats (Total: 26)<br>VMH 1524<br>VMH 1415 | <br><br>Discussion |
| 0104 | Radu Lazar<br>MW 9:30am - 10:45am<br>F 11:00am - 11:50am | Seats (Total: 28)<br>VMH 1524<br>VMH 1415 | <br><br>Discussion |
| 0105 | Radu Lazar<br>MW 9:30am - 10:45am<br>F 12:00pm - 12:50pm | Seats (Total: 22)<br>VMH 1524<br>VMH 1415 | <br><br>Discussion |
| 0106 | Radu Lazar<br>MW 9:30am - 10:45am<br>F 1:00pm - 1:50pm | Seats (Total: 29)<br>VMH 1524<br>VMH 1415 | <br><br>Discussion |
| 0107 | Radu Lazar<br>MW 9:30am - 10:45am<br>F 2:00pm - 2:50pm | Seats (Total: 32)<br>VMH 1524<br>VMH 1415 | <br><br>Discussion |

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| 0201 | Radu Lazar<br>MW 11:00am - 12:15pm<br>F 8:00am - 8:50am | Seats (Total: 32)<br>VMH 1524<br>VMH 1314 | <br><br>Discussion |
| 0202 | Radu Lazar<br>MW 11:00am - 12:15pm<br>F 9:00am - 9:50am | Seats (Total: 24)<br>VMH 1524<br>VMH 1314 | <br><br>Discussion |
| 0203 | Radu Lazar<br>MW 11:00am - 12:15pm<br>F 10:00am - 10:50am | Seats (Total: 30)<br>VMH 1524<br>VMH 1314 | <br><br>Discussion |
| 0204 | Radu Lazar<br>MW 11:00am - 12:15pm<br>F 11:00am - 11:50am | Seats (Total: 18)<br>VMH 1524<br>VMH 1314 | <br><br>Discussion |
| 0205 | Radu Lazar<br>MW 11:00am - 12:15pm<br>F 12:00pm - 12:50pm | Seats (Total: 32)<br>VMH 1524<br>VMH 1314 | <br><br>Discussion |
| 0206 | Radu Lazar<br>MW 11:00am - 12:15pm<br>F 1:00pm - 1:50pm | Seats (Total: 22)<br>VMH 1524<br>VMH 1314 | <br><br>Discussion |
| 0207 | Radu Lazar<br>MW 11:00am - 12:15pm<br>F 2:00pm - 2:50pm | Seats (Total: 26)<br>VMH 1524<br>VMH 1314 | <br><br>Discussion |
| 0301 | Radu Lazar<br>MW 2:00pm - 3:15pm<br>F 8:00am - 8:50am | Seats (Total: 32)<br>VMH 1524<br>VMH 1418 | <br><br>Discussion |
| 0302 | Radu Lazar<br>MW 2:00pm - 3:15pm<br>F 9:00am - 9:50am | Seats (Total: 32)<br>VMH 1524<br>VMH 1418 | <br><br>Discussion |
| 0303 | Radu Lazar<br>MW 2:00pm - 3:15pm<br>F 10:00am - 10:50am | Seats (Total: 32)<br>VMH 1524<br>VMH 1418 | <br><br>Discussion |

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|---|---|---|---|
| 0304 | Radu Lazar<br>MW 2:00pm - 3:15pm<br>F 11:00am - 11:50am | Seats (Total: 23)<br>VMH 1524<br>VMH 1418 | <br><br>Discussion |
| 0305 | Radu Lazar<br>MW 2:00pm - 3:15pm<br>F 12:00pm - 12:50pm | Seats (Total: 24)<br>VMH 1524<br>VMH 1418 | <br><br>Discussion |
| 0306 | Radu Lazar<br>MW 2:00pm - 3:15pm<br>F 1:00pm - 1:50pm | Seats (Total: 31)<br>VMH 1524<br>VMH 1418 | <br><br>Discussion |
| 0307 | Radu Lazar<br>MW 2:00pm - 3:15pm<br>F 2:00pm - 2:50pm | Seats (Total: 32)<br>VMH 1524<br>VMH 1418 | <br><br>Discussion |

**BMGT230B** **Business Statistics**

**BMGT230B Business Statistics; (3 credits)** Grade Method: REG. GenEd: Fundamental Studies - Analytic Reasoning.
*Prerequisite: MATH113 or MATH115; or must have math eligibility of MATH220 or higher. Restriction: Must not have completed ENCE302, ENME392, STAT400, BMGT231, or ENEE324. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200 or SOCY201.* Introductory course in probabilistic and statistical concepts including descriptive statistics, set-theoretic development of probability, the properties of discrete and continuous random variables, sampling theory, estimation, hypothesis testing, regression and decision theory and the application of these concepts to problem solving in business and the application of these concepts to problem solving in business and management. Restricted to BMGT majors. Where a BMGT exam conflicts with a regularly scheduled class, the student will be provided a makeup exam.

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|---|---|---|---|
| 0103 | Radu Lazar<br>MW 9:30am - 10:45am<br>F 10:00am - 10:50am | Seats (Total: 6)<br>VMH 1524<br>VMH 1415 | <br><br>Discussion |
| 0105 | Radu Lazar<br>MW 9:30am - 10:45am<br>F 12:00pm - 12:50pm | Seats (Total: 10)<br>VMH 1524<br>VMH 1415 | <br><br>Discussion |

| | | | |
|---|---|---|---|
| 0106 | Radu Lazar<br>MW 9:30am - 10:45am<br>F 1:00pm - 1:50pm | Seats (Total: 3)<br>VMH 1524<br>VMH 1415 | Discussion |
| 0202 | Radu Lazar<br>MW 11:00am - 12:15pm<br>F 9:00am - 9:50am | Seats (Total: 8)<br>VMH 1524<br>VMH 1314 | Discussion |
| 0204 | Radu Lazar<br>MW 11:00am - 12:15pm<br>F 11:00am - 11:50am | Seats (Total: 14)<br>VMH 1524<br>VMH 1314 | Discussion |
| 0206 | Radu Lazar<br>MW 11:00am - 12:15pm<br>F 1:00pm - 1:50pm | Seats (Total: 10)<br>VMH 1524<br>VMH 1314 | Discussion |
| 0304 | Radu Lazar<br>MW 2:00pm - 3:15pm<br>F 11:00am - 11:50am | Seats (Total: 9)<br>VMH 1524<br>VMH 1418 | Discussion |
| 0305 | Radu Lazar<br>MW 2:00pm - 3:15pm<br>F 12:00pm - 12:50pm | Seats (Total: 8)<br>VMH 1524<br>VMH 1418 | Discussion |

**BMGT230M** **Business Statistics**

**BMGT230M Business Statistics; (3 credits)** Grade Method: REG. GenEd: Fundamental Studies - Analytic Reasoning.
*Prerequisite: MATH113 or MATH115; or must have math eligibility of MATH220 or higher. Restriction: Must not have completed ENCE302, ENME392, STAT400, BMGT231, or ENEE324. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200 or SOCY201.* Introductory course in probabilistic and statistical concepts including descriptive statistics, set-theoretic development of probability, the properties of discrete and continuous random variables, sampling theory, estimation, hypothesis testing, regression and decision theory and the application of these concepts to problem solving in business and the application of these concepts to problem solving in business and management. Restricted to Markets & Society students. Where a BMGT exam conflicts with a regularly scheduled class, the student will be provided a makeup exam.

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|---|---|---|---|
| 0104 | Radu Lazar<br>MW 9:30am - 10:45am<br>F 11:00am - 11:50am | Seats (Total: 4)<br>VMH 1524<br>VMH 1415 | Discussion |
| 0203 | Radu Lazar<br>MW 11:00am - 12:15pm<br>F 10:00am - 10:50am | Seats (Total: 2)<br>VMH 1524<br>VMH 1314 | Discussion |
| 0207 | Radu Lazar<br>MW 11:00am - 12:15pm<br>F 2:00pm - 2:50pm | Seats (Total: 6)<br>VMH 1524<br>VMH 1314 | Discussion |
| 0306 | Radu Lazar<br>MW 2:00pm - 3:15pm<br>F 1:00pm - 1:50pm | Seats (Total: 1)<br>VMH 1524<br>VMH 1418 | Discussion |

**BMGT289B** **How Do Innovators Think?**

**BMGT289B How Do Innovators Think?; (3 credits)** Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
Credit will be granted for only one of the following: BMGT289B or HONR289P. The evening meetings of this course will meet on 1/31, 2/14, 2/28, 3/28, 4/11, and 4/25. Daytime meetings will be held every week.

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|---|---|---|---|
| 0101 | Mark Wellman<br>Th 9:15am - 10:40am<br>Th 6:30pm - 9:15pm | Seats (Total: 60)<br>SQH 1120<br>VMH 1212 | |
| | *Restricted to College Park Scholars in Business, Society, and the Economy.* | | |
| 0201 | Mark Wellman<br>Th 10:55am - 12:20pm<br>Th 6:30pm - 9:15pm | Seats (Total: 40)<br>SQH 1120<br>VMH 1212 | |
| 0202 | Mark Wellman<br>Th 10:55am - 12:20pm<br>Th 6:30pm - 9:15pm | Seats (Total: 20)<br>SQH 1120<br>VMH 1212 | |
| | *Restricted to College Park Scholars in Business, Society, and the Economy.* | | |

**BMGT289E** **Entrepreneurial Thinking for Non-Business Majors: How Not to Miss Great Opportunities Your Life Throws at You**

**BMGT289E Entrepreneurial Thinking for Non-Business Majors: How Not to Miss Great Opportunities Your Life Throw at You; (3 credits)** Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

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|---|---|---|
| 0101 | Jonathan Aberman | Seats (Total: 60) |
| | MW 3:30pm - 4:45pm | VMH 1303 |

**BMGT289K** **Giving Voice To Values**

**BMGT289K Giving Voice To Values; (3 credits)** Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

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|---|---|---|
| 0101 | Brian Nelson | Seats (Total: 71) |
| | TuTh 3:30pm - 4:45pm | VMH 1330 |

**BMGT289L** **The Proper Role of Government in a Free Enterprise System**

**BMGT289L The Proper Role of Government in a Free Enterprise System; (3 credits)** Grade Method: REG. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

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|---|---|---|
| 0101 | Leland Gardner | Seats (Total: 65) |
| | TuTh 5:00pm - 6:15pm | VMH 1412 |

**BMGT289M** **European Debt Crisis: More Integration or Withering of a Dream?**

**BMGT289M European Debt Crisis: More Integration or Withering of a Dream?; (3 credits)** Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

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|---|---|---|
| 0101 | Ulrich Hewer | Seats (Total: 65) |
| | TuTh 12:30pm - 1:45pm | VMH 1330 |

**BMGT301** **Introduction to Information Systems**

**BMGT301 Introduction to Information Systems; (3 credits)** Grade Method: REG. *Restriction: Must be in a major in BMGT-Robert H. Smith School of Business. Additional information: CMSC majors will not receive credit for this course towards their upper level concentration in their CMSC major. All BMGT majors, including students who are a double major in CMCS, must complete BMGT301 for their BMGT degree.* Comprehensive overview of information systems (IS), which explores the strategic and tactical nature of IS. The basic concepts in analyzing and designing information systems for business applications will be presented. Aspects of data management such as databases, data warehousing, data analysis, and data mining will be analyzed, and the basics of web page and web site design will be outlined. Students will also be introduced to modern information systems infrastructure such as telecommunications, networks, and information systems security. Knowledge of Excel or a similar spreadsheet tool.

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|---|---|---|
| 0101 | Katherine Stewart<br>TuTh 11:00am - 12:15pm<br>*Restricted to BMGT majors with 53 credit hours completed.* | Seats (Total: 60)<br>VMH 1412 |
| 0201 | Zeinab Karake<br>TuTh 3:30pm - 4:45pm<br>*Restricted to BMGT majors with 53 credit hours completed.* | Seats (Total: 60)<br>VMH 1412 |
| 0301 | Katherine Stewart<br>TuTh 12:30pm - 1:45pm<br>*Restricted to BMGT majors with 53 credit hours completed.* | Seats (Total: 60)<br>VMH 1412 |
| 0401 | Brian Butler<br>TuTh 9:30am - 10:45am<br>*Restricted to BMGT majors with 53 credit hours completed.* | Seats (Total: 60)<br>VMH 1412 |
| 0501 | Barnet Corwin<br>MW 11:00am - 12:15pm<br>*Restricted to BMGT majors with 53 credit hours completed.* | Seats (Total: 60)<br>VMH 1333 |
| 0601 | Barnet Corwin<br>MW 12:30pm - 1:45pm<br>*Restricted to BMGT majors with 53 credit hours completed.* | Seats (Total: 60)<br>VMH 1333 |

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|---|---|---|---|
| SG91 | Keong Kim<br>TuTh 9:30am - 10:45am | Seats (Total: 50)<br>BLD3 4202 | |
| | *Restricted to Fall 2012 BMGT-Shady Grove cohort students majoring in Accounting and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | | |
| SG92 | Ritu Agarwal<br>TuTh 11:00am - 12:15pm | Seats (Total: 50)<br>BLD3 4202 | |
| | *Restricted to Fall 2012 BMGT-Shady Grove cohort students majoring in Accounting and International Business. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | | |
| SG93 | Ritu Agarwal<br>TuTh 12:30pm - 1:45pm | Seats (Total: 50)<br>BLD3 4202 | |
| | *Restricted to Fall 2012 BMGT-Shady Grove cohort students majoring in Accounting and Management. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | | |

**BMGT302** **Developing Business Applications**

**BMGT302 Developing Business Applications; (3 credits)** Grade Method: REG. *Prerequisite: BMGT301; or permission of BMGT-Robert H. Smith School of Business. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business; and must not be in Computer Science program.* A structured approach to business application development and programming is provided. Problem solving techniques, program design, and logic, are emphasized. Hands-on exercises in which students participate in designing and developing cross-disciplinary business applications are included. Restricted to BMGT majors with 53 credit hours completed. Not open to Computer Science Majors.

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| 0101 | Woei-Jyh Lee<br>TuTh 3:30pm - 4:45pm<br>Th 5:00pm - 5:50pm | Seats (Total: 25)<br>VMH 1311<br>VMH 2203 | <br><br>Lab |
| 0201 | Woei-Jyh Lee<br>MW 9:30am - 10:45am<br>Th 6:00pm - 6:50pm | Seats (Total: 25)<br>VMH 1311<br>VMH 2203 | <br><br>Lab |

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| 0301 | Woei-Jyh Lee<br>TuTh 12:30pm - 1:45pm<br>Th 7:00pm - 7:50pm | Seats (Total: 25)<br>VMH 2203<br>VMH 2203 | <br><br>Lab |

**BMGT310** **Intermediate Accounting I**

**BMGT310 Intermediate Accounting I; (3 credits)** Grade Method: REG. *Prerequisite: BMGT221.* Comprehensive analysis of financial accounting topics related to financial statement preparation and external reporting. Restricted to Accounting and Finance majors with 53 credit hours completed.

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| 0101 | Lindsey Gallo<br>MW 11:00am - 12:15pm | Seats (Total: 40)<br>VMH 1202 |
| 0201 | Mary Keim<br>MW 12:30pm - 1:45pm | Seats (Total: 40)<br>VMH 1202 |
| 0301 | Charles Ham<br>TuTh 12:30pm - 1:45pm | Seats (Total: 40)<br>VMH 1206 |
| 0401 | Mary Keim<br>TuTh 2:00pm - 3:15pm | Seats (Total: 40)<br>VMH 1411 |

**BMGT311** **Intermediate Accounting II**

**BMGT311 Intermediate Accounting II; (3 credits)** Grade Method: REG. *Prerequisite: BMGT310.* Continuation of BMGT310.

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|---|---|---|
| 0101 | Oliver Kim<br>MW 12:30pm - 1:45pm<br>*Restricted to Accounting majors with 60 credit hours completed.* | Seats (Total: 35)<br>VMH 1206 |
| 0201 | Oliver Kim<br>MW 2:00pm - 3:15pm<br>*Restricted to Accounting majors with 60 credit hours completed.* | Seats (Total: 35)<br>VMH 1206 |
| 0301 | Michael Finch<br>TuTh 12:30pm - 1:45pm<br>*Restricted to Accounting majors with 60 credit hours completed.* | Seats (Total: 35)<br>VMH 1415 |

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| 0401 | Michael Finch<br>TuTh 2:00pm - 3:15pm | Seats (Total: 35)<br>VMH 1415 |
| | *Restricted to Accounting Majors with 60 credit hours completed.* | |
| SG91 | Leslie Mostow<br>MW 9:30am - 10:45am | Seats (Total: 38)<br>BLD3 3219 |
| | *Restricted to Fall 2012 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | |
| SG92 | Leslie Mostow<br>MW 11:00am - 12:15pm | Seats (Total: 38)<br>BLD3 3219 |
| | *Restricted to Fall 2012 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | |

**BMGT313** **Financial Statement Analysis**

**BMGT313 Financial Statement Analysis; (3 credits)** Grade Method: REG. *Prerequisite: BMGT221.* Provides students with the tools to conduct a financial statement analysis, which is part of an overall business analysis. Involves understanding and using the information that financial statements are communicating to users. Restricted to Finance or Accounting majors with 53 credit hours completed.

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| 0101 | Hanna Lee<br>MW 2:00pm - 3:15pm | Seats (Total: 35)<br>VMH 1418 |
| 0201 | Hanna Lee<br>MW 5:00pm - 6:15pm | Seats (Total: 35)<br>VMH 1307 |

**BMGT321** **Managerial Accounting**

**BMGT321 Managerial Accounting; (3 credits)** Grade Method: REG. *Prerequisite: BMGT221.* A study of the basic concepts of product costing and cost analysis for management planning and control. Emphasis is placed on the role of the accountant in organizational management, analysis of cost behavior, standard cost budgeting, responsibility accounting and relevant costs for decision-making.

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|---|---|---|
| 0101 | Espey Browning<br>MW 2:00pm - 3:15pm<br>*Restricted to BMGT majors with 53 credit hours completed.* | Seats (Total: 45)<br>VMH 1307 |
| 0201 | Mary Keim<br>MW 3:30pm - 4:45pm<br>*Restricted to BMGT majors with 53 credit hours completed.* | Seats (Total: 45)<br>VMH 1307 |
| 0301 | Gary Bulmash<br>TuTh 8:00am - 9:15am<br>*Restricted to BMGT majors with 53 credit hours completed.* | Seats (Total: 45)<br>VMH 1303 |

**BMGT323** **Taxation of Individuals**

**BMGT323 Taxation of Individuals; (3 credits)** Grade Method: REG. *Prerequisite: BMGT221.* Federal taxation of individuals focusing on income, exclusions, deductions, depreciation, credits and capital transactions. Property coverage includes the tax consequences of sales and dispositions of investment and business assets. Both tax planning and compliance issues are covered.

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|---|---|---|
| 0101 | Jeffrey Milton<br>MW 12:30pm - 1:45pm<br>*Restricted to Accounting majors with 53 credit hours completed.* | Seats (Total: 42)<br>VMH 1412 |
| 0201 | Jeffrey Milton<br>MW 2:00pm - 3:15pm<br>*Restricted to Accounting majors with 53 credit hours completed.* | Seats (Total: 42)<br>VMH 1412 |
| 0301 | Eugene Cantor<br>W 7:00pm - 9:40pm<br>*Restricted to Accounting majors with 53 credit hours completed.* | Seats (Total: 42)<br>VMH 1303 |
| SG91 | Alexander Ruygrok<br>MW 11:00am - 12:15pm<br>*Restricted to Fall 2012 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | Seats (Total: 38)<br>BLD3 4215 |

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|---|---|---|
| SG92 | Leslie Mostow<br>MW 12:30pm - 1:45pm | Seats (Total: 38)<br>BLD3 3219 |
| | *Restricted to Fall 2012 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | |

**BMGT326** **Accounting Systems**

**BMGT326 Accounting Systems; (3 credits)** Grade Method: REG.
*Prerequisite: BMGT221; and (BMGT201 or BMGT301).* A study of accounting systems and computer and communications technology. Restricted to Accounting majors with 60 credit hours completed.

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|---|---|---|
| 0101 | Jodell Johnson<br>MW 9:30am - 10:45am | Seats (Total: 40)<br>VMH 1335 |
| 0201 | Jodell Johnson<br>MW 12:30pm - 1:45pm | Seats (Total: 40)<br>VMH 1335 |
| 0301 | Jodell Johnson<br>MW 2:00pm - 3:15pm | Seats (Total: 40)<br>VMH 1335 |
| 0401 | Jodell Johnson<br>MW 3:30pm - 4:45pm | Seats (Total: 40)<br>VMH 1335 |

**BMGT332** **Operations Research For Management Decisions**

**BMGT332 Operations Research For Management Decisions; (3 credits)** Grade Method: REG.
*Prerequisite: BMGT231 or BMGT230; or students who have taken courses with comparable content may contact the department.* Surveys the philosophy, techniques and applications of operations research to managerial decision-making. Techniques covered include: linear programming, transportation and assignment models, Markov processes and inventory and queuing models. Emphasis is placed on formulating and solving decision problems in the functional areas of management. Restricted to BMGT majors and QUEST program students with 53 credit hours completed.

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|---|---|---|
| 0101 | Kazim Ruhi<br>TuTh 2:00pm - 3:15pm | Seats (Total: 50)<br>VMH 1330 |

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|---|---|---|
| 0201 | Kazim Ruhi<br>TuTh 11:00am - 12:15pm | Seats (Total: 50)<br>VMH 1336 |

**BMGT340** **Business Finance**

**BMGT340 Business Finance; (3 credits)** Grade Method: REG.
*Prerequisite: BMGT221; and (BMGT231 or BMGT230).* Topics include: the principles and practices involved in the organization, financing and rehabilitation of business enterprises; the various types of securities and their use in raising funds, apportioning income, risk and control; intercorporate relations; and new developments. Emphasis on solution of problems of financial policy faced by management. Restricted to BMGT majors with 53 credit hours completed. Interested students who don't meet restrictions should review their eligiblity for BMGT340N.

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|---|---|---|
| 0301 | Karen Hallows<br>TuTh 11:00am - 12:15pm | Seats (Total: 60)<br>VMH 1333 |
| 0401 | Benjamin Munyan<br>MW 5:00pm - 6:15pm | Seats (Total: 60)<br>VMH 1412 |
| 0501 | Karen Hallows<br>TuTh 12:30pm - 1:45pm | Seats (Total: 60)<br>VMH 1333 |
| 0601 | Karen Hallows<br>TuTh 5:00pm - 6:15pm | Seats (Total: 60)<br>VMH 1333 |
| 0701 | Karen Hallows<br>TuTh 3:30pm - 4:45pm | Seats (Total: 60)<br>VMH 1333 |
| BL01 | Susan White<br>MW 2:00pm - 3:15pm | Seats (Total: 50)<br>VMH 1212 |
| | *Blended Learning courses combine face-to-face and online interactions.* | |
| BL02 | Susan White<br>MW 3:30pm - 4:45pm | Seats (Total: 60)<br>VMH 1212 |
| | *Blended Learning courses combine face-to-face and online interactions.* | |

**BMGT340F** **Business Finance**

**BMGT340F Business Finance; (3 credits)** Grade Method: REG.
*Prerequisite: BMGT221; and (BMGT231 or BMGT230).* Topics include: the principles and practices involved in the organization, financing and rehabilitation of business enterprises; the various types of securities and their use in raising funds, apportioning income, risk and control; intercorporate relations; and new developments. Emphasis on solution of problems of financial policy faced by management. Restricted to students in the Smith School's Accelerated Finance Fellows Program.

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| FP01 | David Kass<br>MW 2:00pm - 3:15pm | Seats (Total: 35)<br>VMH 1415 |

**BMGT340N** **Business Finance**

**BMGT340N Business Finance; (3 credits)** Grade Method: REG.
*Prerequisite: BMGT221; and (BMGT231 or BMGT230).* Topics include: the principles and practices involved in the organization, financing and rehabilitation of business enterprises; the various types of securities and their use in raising funds, apportioning income, risk and control; intercorporate relations; and new developments. Emphasis on solution of problems of financial policy faced by management. Restricted to Agricultural and Resource Economics majors (0111C) with 53 credit hours completed.

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|---|---|---|
| BL01 | Susan White<br>MW 2:00pm - 3:15pm | Seats (Total: 10)<br>VMH 1212 |
| | *Blended Learning courses combine face-to-face and online interactions.* | |

**BMGT343** **Investments**

**BMGT343 Investments; (3 credits)** Grade Method: REG.
*Prerequisite: BMGT340.* An introduction to financial investments. Topics include: securities and securities markets; investment risks, returns and constraints; portfolio policies; and institutional investment policies. Restricted to Finance majors with 60 credit hours completed.

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|---|---|---|
| 0101 | Xiaohui Bakshi<br>TuTh 9:30am - 10:45am | Seats (Total: 45)<br>VMH 1303 |
| 0201 | Xiaohui Bakshi<br>TuTh 12:30pm - 1:45pm | Seats (Total: 45)<br>VMH 1336 |

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|---|---|---|
| 0301 | Michael Padhi<br>TuTh 2:00pm - 3:15pm | Seats (Total: 45)<br>VMH 1336 |
| 0401 | Michael Padhi<br>TuTh 3:30pm - 4:45pm | Seats (Total: 45)<br>VMH 1336 |

**BMGT350** **Marketing Principles and Organization**

**BMGT350 Marketing Principles and Organization; (3 credits)** Grade Method: REG. *Prerequisite: ECON200 or ECON205.* An introduction to the concepts and principles of marketing including the marketing of service and nonprofit organizations. Provides an overview of all the concepts in marketing including relationship marketing, product development, pricing, promotion, marketing research, consumer behavior, international marketing, distribution and internal marketing to employees. Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT 350N.

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|---|---|---|
| 0101 | Roxanne Lefkoff<br>MW 9:30am - 10:45am | Seats (Total: 60)<br>VMH 1330 |
| 0201 | Roxanne Lefkoff<br>MW 11:00am - 12:15pm | Seats (Total: 60)<br>VMH 1330 |
| 0301 | Roxanne Lefkoff<br>MW 2:00pm - 3:15pm | Seats (Total: 60)<br>VMH 1330 |
| 0401 | Roxanne Lefkoff<br>MW 3:30pm - 4:45pm | Seats (Total: 60)<br>VMH 1330 |
| 0501 | Henry Boyd<br>TuTh 12:30pm - 1:45pm | Seats (Total: 50)<br>VMH 1303 |
| 0601 | Henry Boyd<br>TuTh 2:00pm - 3:15pm | Seats (Total: 60)<br>VMH 1303 |
| 0701 | Henry Boyd<br>TuTh 3:30pm - 4:45pm | Seats (Total: 60)<br>VMH 1303 |

**BMGT350N** **Marketing Principles and Organization**

**BMGT350N Marketing Principles and Organization; (3 credits)** Grade Method: REG.
*Prerequisite: ECON200 or ECON205.* An introduction to the concepts and principles of marketing including the marketing of service and nonprofit organizations. Provides an overview of all the concepts in marketing including relationship marketing, product development, pricing, promotion, marketing research, consumer behavior, international marketing, distribution and internal marketing to employees. Restricted to Agricultural and Resource Economics (0111C) and Horticulture (0107C) majors with 53 credit hours completed.

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|---|---|---|
| 0501 | Henry Boyd<br>TuTh 12:30pm - 1:45pm | Seats (Total: 10)<br>VMH 1303 |

**BMGT352** **Customer-Centric Innovation**

**BMGT352 Customer-Centric Innovation; (3 credits)** Grade Method: REG.
*Prerequisite: BMGT350.* Addresses the management of new products and services with a focus on the innovation process, specifically the development and launching of new products or services: Opportunity Identification, Concept Generation, Design, Testing and Launch. Restricted to BMGT majors with 60 credit hours completed.

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|---|---|---|
| 0101 | Yogesh Joshi<br>TuTh 11:00am - 12:15pm | Seats (Total: 40)<br>VMH 2203 |

**BMGT353** **Retail Management**

**BMGT353 Retail Management; (3 credits)** Grade Method: REG.
*Prerequisite: BMGT220 and BMGT350.* Planning and implementing retail marketing strategy. Store and nonstore (catalog, internet) retailing. Evaluation of how environmental trends in the consumer market, competition, the economy and technology affect retail strategy in the U.S. and global market. Restricted to BMGT majors with 60 credit hours completed.

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| 0101 | Jie Zhang<br>MW 12:30pm - 1:45pm | Seats (Total: 35)<br>VMH 1212 |

**BMGT360** **Strategic Management of Human Capital**

**BMGT360 Strategic Management of Human Capital; (3 credits)** Grade Method: REG.

Provides students with the basic knowledge needed to help organizations attract, select, develop, engage, evaluate, and retain talent. Topics covered may include strategic HRM, the role of globalization, legal issues in HRM, work analysis, HR planning, recruitment, personnel selection, performance management and appraisal, training and development, career development, compensation systems, motivating and rewarding performance, labor relations, and employee health and safety. Restricted to students with 53 credit hours completed.

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|---|---|---|---|
| 0101 | James Spina<br>MW 9:30am - 10:45am<br>F 9:00am - 9:50am | Seats (Total: 35)<br>VMH 1212<br>VMH 1411 | <br><br>Discussion |
| 0102 | James Spina<br>MW 9:30am - 10:45am<br>F 10:00am - 10:50am | Seats (Total: 35)<br>VMH 1212<br>VMH 1411 | <br><br>Discussion |
| 0103 | James Spina<br>MW 9:30am - 10:45am<br>F 11:00am - 11:50am | Seats (Total: 35)<br>VMH 1212<br>VMH 1411 | <br><br>Discussion |
| 0104 | James Spina<br>MW 9:30am - 10:45am<br>F 12:00pm - 12:50pm | Seats (Total: 35)<br>VMH 1212<br>VMH 1411 | <br><br>Discussion |
| 0105 | James Spina<br>MW 9:30am - 10:45am<br>F 1:00pm - 1:50pm | Seats (Total: 35)<br>VMH 1212<br>VMH 1411 | <br><br>Discussion |
| 0106 | James Spina<br>MW 9:30am - 10:45am<br>F 2:00pm - 2:50pm | Seats (Total: 35)<br>VMH 1212<br>VMH 1411 | <br><br>Discussion |

**BMGT362** **Labor Relations**
**Contact department for information to register for this course.**

**BMGT363** **Leadership and Teamwork in Organizations**

**BMGT363 Leadership and Teamwork in Organizations; (3 credits)** Grade Method: REG.
*Credit only granted for: BMGT363 or BMGT498D. Formerly: BMGT498D.* Provides a comprehensive understanding of fundamental leadership concepts, theories, and skills in organizations and applies to assessing and developing effective leadership practices in organizations.

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|---|---|---|
| 0101 | Jose Suarez<br>MW 12:30pm - 1:45pm<br>*Restricted to Management (0503G) majors with 53 credit hours completed.* | Seats (Total: 45)<br>VMH 1418 |
| SG91 | Myeong-Gu Seo<br>MW 11:00am - 12:15pm<br>*Restricted to Fall 2011 BMGT-Shady Grove cohort students majoring in Management and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | Seats (Total: 60)<br>BLD3 4230 |

**BMGT364** **Managing People and Organizations**

**BMGT364 Managing People and Organizations; (3 credits)** Grade Method: REG. An introduction to selected aspects of human behavior in organizations generally known as organizational behavior (OB). This course is designed to help students develop systematic and fundamental understanding of people and their behaviors in organizations, as well as useful abilities and skills required to effectively and ethically manage various individual, interpersonal, group, and organization-level processes. Restricted to BMGT majors with 53 credit hours completed. This course r equires the purchase of course materials other than standard textbooks for in class simulations. Students will be required to purchase these materials directly from the simulation publisher(s) at a cost of approximately $20(discounts applied for number of students enrolled in course). More information on purchasing these materials will be available when the course begins.

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|---|---|---|
| 0101 | Lori Spina<br>MW 9:30am - 10:45am | Seats (Total: 60)<br>VMH 1528 |
| 0201 | Lori Spina<br>MW 11:00am - 12:15pm | Seats (Total: 60)<br>VMH 1528 |
| 0301 | Jennifer Armstrong<br>MW 12:30pm - 1:45pm | Seats (Total: 40)<br>VMH 1528 |

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|---|---|---|
| 0401 | Jose Suarez<br>MW 2:00pm - 3:15pm | Seats (Total: 60)<br>VMH 1528 |
| 0501 | Jennifer Armstrong<br>MW 3:30pm - 4:45pm | Seats (Total: 60)<br>VMH 1528 |
| 0601 | Robert Muller<br>TuTh 9:30am - 10:45am | Seats (Total: 60)<br>VMH 1524 |
| 0701 | Patricia Cleveland<br>TuTh 11:00am - 12:15pm | Seats (Total: 60)<br>VMH 1524 |

**BMGT364H** **Managing People and Organizations**

**BMGT364H** *(PermReq)* **Managing People and Organizations; (3 credits)** Grade Method: REG.
An introduction to selected aspects of human behavior in organizations generally known as organizational behavior (OB). This course is designed to help students develop systematic and fundamental understanding of people and their behaviors in organizations, as well as useful abilities and skills required to effectively and ethically manage various individual, interpersonal, group, and organization-level processes. Restricted to BMGT Honors students with 53 credit hours completed.

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|---|---|---|
| 0101 | Patricia Cleveland<br>TuTh 3:30pm - 4:45pm | Seats (Total: 35)<br>VMH 1415 |

**BMGT364N** **Managing People and Organizations**

**BMGT364N Managing People and Organizations; (3 credits)** Grade Method: REG. An introduction to selected aspects of human behavior in organizations generally known as organizational behavior (OB). This course is designed to help students develop systematic and fundamental understanding of people and their behaviors in organizations, as well as useful abilities and skills required to effectively and ethically manage various individual, interpersonal, group, and organization-level processes. Restricted to Agricultural and Resource Economics (0111C) and Dietetics (1307D) majors with 53 credit hours completed. This course requires the purchase of course materials other than standard textbooks for in class simulations. Students will be required to purchase these materials directly from the simulation publisher(s) at a cost of appoximately $20(discounts applied for number of students enrolled in course). More information on purchasing these materials will be available when the course begins.

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|---|---|---|
| 0301 | Jennifer Armstrong<br>MW 12:30pm - 1:45pm | Seats (Total: 20)<br>VMH 1528 |

**BMGT365** **Entrepreneurial Finance and Private Equity**

**BMGT365 Entrepreneurial Finance and Private Equity; (3 credits)** Grade Method: REG.

*Prerequisite: BMGT461 or BMGT361. Restriction: Junior standing or higher.* Studies venture capital and private equity using a combination of cases, lectures and guest speakers. Addresses how venture capitalists provide capital to start-up firms in growing industries and how private equity markets provide capital to help established medium-sized firms (often family businesses) grow and restructure. Focuses on how financial, legal, and economic issues are dealt with in the financial contracts between venture capitalists and their limited partners and between capitalists (or other private equity investors) and the firms in which they invest. Restricted to Fall 2013 BMGT-Shady Grove cohort students majoring in Management. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.

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|---|---|---|
| SG91 | Andrew Sherman<br>Tu 6:15pm - 8:55pm | Seats (Total: 40)<br>BLD3 3206 |
| | *Restricted to Fall 2012 BMGT-Shady Grove cohort students majoring in Management. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | |

**BMGT367** **Career Search Strategies in Business**

**BMGT367 Career Search Strategies in Business; (1 credit)** Grade Method: REG. *Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.* An overview and opportunity to practice job search skills critical to obtaining internships and full-time positions. Course will cover strategies for exploring career options, preparing job search materials, development of job search skills such as interviewing and networking. Students are encouraged to take this course in the sophomore or junior year. Restricted to BMGT students with 45 credit hours completed.

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|---|---|---|
| 0101 | Robert Raybits<br>M 5:00pm - 5:50pm | Seats (Total: 60)<br>VMH 1528 |
| 0201 | Edward Lavino<br>Tu 5:00pm - 5:50pm | Seats (Total: 60)<br>VMH 1528 |
| 0301 | Susan Powell<br>W 5:00pm - 5:50pm | Seats (Total: 60)<br>VMH 1528 |
| 0401 | Daniel O'Brien<br>Th 5:00pm - 5:50pm | Seats (Total: 60)<br>VMH 1528 |
| 0501 | Nina Maggio<br>M 6:00pm - 6:50pm | Seats (Total: 60)<br>VMH 1528 |
| 0601 | Tricia Giacone<br>Tu 6:00pm - 6:50pm | Seats (Total: 60)<br>VMH 1528 |

**BMGT370** **Introduction to Transportation**

**BMGT370 Introduction to Transportation; (3 credits)** Grade Method: REG. An overview of the transportation field with an emphasis on freight movements from the perspective of both providers of capacity and users of freight services. Examines the characteristics of the freight modes and the role of each mode as a major component of logistics and supply chain management. Explores the economics, energy use, and finances of each mode as well as the impact of government policies on each mode's future. Discussion of infrastructure and capacity needs of the transportation system and its ability to support the economy. Restricted to BMGT students with 53 credit hours completed.

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|---|---|---|
| 0101 | Robert Windle<br>TuTh 2:00pm - 3:15pm | Seats (Total: 45)<br>VMH 1202 |
| 0201 | Robert Windle<br>TuTh 3:30pm - 4:45pm | Seats (Total: 45)<br>VMH 1202 |

**BMGT372** **Introduction to Logistics and Supply Chain Management**

**BMGT372 Introduction to Logistics and Supply Chain Management; (3 credits)**
Grade Method: REG.
Supply chain management involves the coordination of suppliers, manufacturers, distributors, and retailers to ensure that products and services are available to the final consumer in a timely and cost-effective fashion. Logistics management is the subset of supply chain management dealing with the physical flows of product and includes such activities as transportation management, warehousing, materials handling, inventory management, and order fulfillment. Attention is paid to the logistics cost trade-offs within the firm and between members of the supply chain.

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| 0101 | Leland Gardner<br>TuTh 3:30pm - 4:45pm<br>*Restricted to BMGT majors with 53 credit hours completed.* | Seats (Total: 45)<br>VMH 1206 |
| 0201 | Hugh Turner<br>TuTh 11:00am - 12:15pm<br>*Restricted to BMGT majors with 53 credit hours completed.* | Seats (Total: 45)<br>VMH 1206 |
| 0301 | Jeff Miller<br>MW 11:00am - 12:15pm<br>*Restricted to BMGT majors with 53 credit hours completed.* | Seats (Total: 45)<br>VMH 1206 |
| 0401 | Jeff Miller<br>MW 2:00pm - 3:15pm<br>*Restricted to BMGT majors with 53 credit hours completed.* | Seats (Total: 45)<br>VMH 1202 |
| 0501 | Jeff Miller<br>MW 3:30pm - 4:45pm<br>*Restricted to BMGT majors with 53 credit hours completed.* | Seats (Total: 45)<br>VMH 1202 |

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|---|---|---|
| SG91 | Anupam Kumar<br>MW 9:30am - 10:45am | Seats (Total: 47)<br>BLD3 4215 |
| | *Restricted to Fall 2012 BMGT-Shady Grove cohort students majoring in Management, International Business, and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | |
| SG92 | William McAdam<br>MW 11:00am - 12:15pm | Seats (Total: 47)<br>BLD3 4211 |
| | *Restricted to Fall 2012 BMGT-Shady Grove cohort students majoring in Management, International Business, and Marketing. Other students may request enrollment on a space avaiable basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | |

**BMGT380** **Business Law I**

**BMGT380 Business Law I; (3 credits)** Grade Method: REG.
Legal aspects of business relationships. Examination of torts and business crimes, contracts and agency. The law of personal property and bailment relationships. Survey of public policy issues. Restricted to BMGT majors with 53 credit hours completed. Other interested students should review their eligibility for BMGT380N.

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|---|---|---|
| 0101 | Burt Leete<br>MW 9:30am - 10:45am | Seats (Total: 60)<br>VMH 1412 |
| 0201 | Burt Leete<br>MW 11:00am - 12:15pm | Seats (Total: 50)<br>VMH 1412 |
| 0301 | Richard Daniels<br>MW 3:30pm - 4:45pm | Seats (Total: 60)<br>VMH 1333 |
| 0401 | T Anenson<br>TuTh 11:00am - 12:15pm | Seats (Total: 60)<br>VMH 1330 |
| 0501 | T Anenson<br>TuTh 2:00pm - 3:15pm | Seats (Total: 60)<br>VMH 1412 |
| 0601 | Brian Nelson<br>TuTh 9:30am - 10:45am | Seats (Total: 60)<br>VMH 1330 |

**BMGT380H** **Business Law I**

**BMGT380H** *(PermReq)* **Business Law I; (3 credits)** Grade Method: REG.
Legal aspects of business relationships. Examination of torts and business crimes, contracts and agency. The law of personal property and bailment relationships. Survey of public policy issues. Restricted to BMGT Honors students with 53 credit hours completed.

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|---|---|---|
| 0101 | William McClenahan | Seats (Total: 35) |
| | MW 3:30pm - 4:45pm | VMH 1418 |

**BMGT380N** **Business Law I**

**BMGT380N Business Law I; (3 credits)** Grade Method: REG.
Legal aspects of business relationships. Examination of torts and business crimes, contracts and agency. The law of personal property and bailment relationships. Survey of public policy issues. Restricted to Agricultural and Resource Economics (0111C) majors with 53 credit hours completed.

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|---|---|---|
| 0201 | Burt Leete | Seats (Total: 10) |
| | MW 11:00am - 12:15pm | VMH 1412 |

**BMGT381** **Business Law II**

**BMGT381 Business Law II; (3 credits)** Grade Method: REG.
*Prerequisite: BMGT380; or permission of BMGT-Robert H. Smith School of Business.*
The Uniform Commercial Code, including sales, commercial paper, secured transactions, bulk sales and documents of title. The law of partnerships and corporations. Reorganization and liquidation under the bankruptcy laws. The law of real property, landlord and tenant relationships and decedents' estates. Restricted to BMGT majors with 63 credit hours completed.

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|---|---|---|
| 0101 | William McClenahan | Seats (Total: 60) |
| | MW 2:00pm - 3:15pm | VMH 1333 |

**BMGT385** **Operations Management**

**BMGT385 Operations Management; (3 credits)** Grade Method: REG.
*Credit only granted for: BMGT385 or ENME426.* Studies the design, management and improvement of a firm's processes and systems for creation and delivery of products and services. Includes strategic and operational views of supply chain, product development, and capacity analysis, highlighting the competitive advantages that operations management can provide the firm. Restricted to BMGT majors and QUEST program students with 53 credit hours completed.

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|---|---|---|
| 0101 | Kazim Ruhi<br>MW 11:00am - 12:15pm | Seats (Total: 45)<br>VMH 1303 |
| 0201 | Kazim Ruhi<br>MW 12:30pm - 1:45pm | Seats (Total: 45)<br>VMH 1303 |

**BMGT390H** **Systems Thinking for Managerial Decision Making**

**BMGT390H Systems Thinking for Managerial Decision Making; (3 credits)** Grade Method: REG.
*Prerequisite: ENES190 or BMGT190; and must be a QUEST student. Also offered as: ENES390. Credit only granted for: BMGT390, BMGT498X, ENES390, or ENES498X. Formerly: BMGT498X.* An introduction to the theory, concepts, tools, and practices of systems thinking to enhance managerial decision making. Offers a blend of theory, real-life examples, and proven methods to initiate and sustain an organization-wide reorientation towards systems thinking. Restricted to QUEST program students. Also offered as ENES390H.

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|---|---|---|
| 0101 | Jose Suarez<br>MW 11:00am - 12:15pm | Seats (Total: 40)<br>VMH 1418 |

**BMGT391** **Leadership in Action**

**BMGT391 Leadership in Action; (1 credit)** Grade Method: REG.
*Prerequisite: Must have completed or be concurrently enrolled in BMGT364.* Provides an overview and development of the basic skills necessary for managerial success. Reinforces the core topics and managerial functions covered in BMGT364 (Management & Organization Theory) in the areas of understanding the business environment, planning and decision-making, organizing, and leading & controlling. The course goes beyond theories and frameworks by focusing on building skills required to manage in contemporary organizations. Restricted to BMGT majors with 53 credit hours completed. Prerequisite/ Co-requisite BMGT364

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| 0101 | Nicole Coomber<br>**Meets January 23, 2013 - March 8, 2013**<br>F 10:00am - 11:50am | Seats (Total: 60)<br><br>VMH 1412 |
| 0201 | Nicole Coomber<br>**Meets March 11, 2013 - May 9, 2013**<br>F 10:00am - 11:50am | Seats (Total: 60)<br><br>VMH 1412 |
| 0301 | Nicole Coomber<br>**Meets March 11, 2013 - May 9, 2013**<br>F 12:00pm - 1:50pm | Seats (Total: 60)<br><br>VMH 1412 |

**BMGT392** **Introduction to International Business Management**

**BMGT392 Introduction to International Business Management; (3 credits)** Grade Method: REG.
*Prerequisite: ECON200.* A study of the domestic and foreign environmental factors affecting the international operations of U.S. business firms. The course also covers the administrative aspects of international marketing, finance and management.

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| 0101 | Koki Nagata<br>TuTh 5:00pm - 6:15pm<br>*Restricted to BMGT majors with 53 credit hours completed.* | Seats (Total: 40)<br>VMH 1307 |
| SG91 | Yue Zhou<br>MW 9:30am - 10:45am<br>*Restricted to Fall 2012 BMGT-Shady Grove cohort students majoring in Management, International Business, and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | Seats (Total: 47)<br>BLD3 4219 |

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|---|---|---|
| SG92 | Yue Zhou<br>MW 11:00am - 12:15pm | Seats (Total: 47)<br>BLD3 4219 |
| | *Restricted to Fall 2012 BMGT-Shady Grove cohort students majoring in Management, International Business, and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | |

**BMGT398** **Individual Study in Business and Management**

**BMGT398** *(PermReq)* **Individual Study in Business and Management; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**BMGT398A** **Individual Study in Business and Management; Internship**

**BMGT398A** *(PermReq)* **Individual Study in Business and Management: Internship; (1-3 credits)** Grade Method: REG/P-F/AUD.
Restricted to Smith School of Business students. Interested students sho uld contact Ashlee Kerkhoff (akerkhof@rhsmith.umd.edu) for details and p ermission. Click here for more course information.

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|---|---|---|
| 0101 | Jeffrey Kudisch, Rachel Loock, Ashlee Kerkhoff<br>Contact instructor or department for details. | Seats (Total: 30) |
| SG91 | Ashlee Kerkhoff, Jeffrey Kudisch, Rachel Loock<br>Contact instructor or department for details. | Seats (Total: 10) |

**BMGT398Q** **Individual Study in Business and Management; Quantitative Finance Applications**

**BMGT398Q Individual Study in Business and Management: Quantitative Finance Applications; (1 credit)** Grade Method: REG/P-F.
Restricted to students in Smith School's Quantitative Finance Fellows program.

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|---|---|---|
| FP01 | Charles LaHaie<br>F 2:00pm - 5:00pm | Seats (Total: 35)<br>VMH 3505 |

**BMGT398T** **Individual Study in Business and Management; The External Transfer Student in Smith**

**BMGT398T** *(PermReq)* **Individual Study in Business and Management: The External Transfer Student in Smith; (1 credit)** Grade Method: REG/P-F/AUD. Restricted to incoming Spring 2013 Sith School External Transfer students only.

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|---|---|---|---|
| 0101 | Jeanette Snider | Seats (Total: 30) | |
| | **Meets January 23, 2013 - March 16, 2013** | | |
| | W 5:00pm - 6:30pm | VMH 1335 | |

**BMGT402** **Database Systems**

**BMGT402 Database Systems; (3 credits)** Grade Method: REG. *Recommended: BMGT302.* The fundamentals of database management systems (DBMS), data models, query processing, and data warehouses, and their application in the development of business information systems will be covered. An important goal of this course is to understand the value of information resources and information management challenges within an organization. Restricted to BMGT majors with 72 credit hours completed.

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|---|---|---|---|
| 0101 | Woei-Jyh Lee | Seats (Total: 35) | |
| | TuTh 9:30am - 10:45am | VMH 1311 | |
| | Th 5:00pm - 5:50pm | VMH 1311 | Lab |

**BMGT402F** **Database Systems**

**BMGT402F Database Systems; (3 credits)** Grade Method: REG. *Recommended: BMGT302.* The fundamentals of database management systems (DBMS), data models, query processing, and data warehouses, and their application in the development of business information systems will be covered. An important goal of this course is to understand the value of information resources and information management challenges within an organization. Restricted to students in the Technology and Business Transformation Fel lows (FPTT).

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|---|---|---|---|
| FP01 | Louiqa Raschid | Seats (Total: 30) | |
| | TuTh 12:30pm - 1:45pm | VMH 1311 | |
| | Th 6:00pm - 6:50pm | VMH 1311 | Lab |

**BMGT403** **Systems Analysis and Design**

**BMGT403 Systems Analysis and Design; (3 credits)** Grade Method: REG. *Prerequisite: BMGT301; or students who have taken courses with comparable content may contact the department. Recommended: BMGT302.* Techniques and tools applicable to the analysis and design of computer-based information systems. System life cycle, requirements analysis, logical design of databases and performance evaluation. Emphasis on case studies. Project required that involves the design, analysis and implementation of an information system. Restricted to BMGT majors with 72 credit hours completed.

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| 0101 | Zeinab Karake<br>MW 12:30pm - 1:45pm | Seats (Total: 40)<br>VMH 1311 |
| 0201 | Zeinab Karake<br>Tu 7:00pm - 9:40pm | Seats (Total: 40)<br>VMH 1311 |

**BMGT405** **Business Telecommunications**

**BMGT405 Business Telecommunications; (3 credits)** Grade Method: REG. *Prerequisite: BMGT301; or students who have taken courses with comparable content may contact the department.* Concepts of business data communications and data processing. Application of these ideas in computer networks, including basic principles of telecommunications technology, computer network technology, data management in distributed database systems and management of the technical and functional components of telecommunications technology. Restricted to BMGT majors with 72 credit hours completed.

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|---|---|---|
| 0101 | Donald Riley<br>TuTh 11:00am - 12:15pm | Seats (Total: 45)<br>VMH 1307 |

**BMGT407** **Information Systems Projects**

**BMGT407 Information Systems Projects; (3 credits)** Grade Method: REG. *Prerequisite: BMGT402 and BMGT403. Restriction: Senior standing.* Senior capstone course for the decision and information sciences major. Collected knowledge from the DIS courses and application to significant problems of size and complexity. State-of-the-art research ideas and current business and industrial practices in information systems. Restricted to Information Systems majors with 86 credit hours completed.

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|---|---|---|
| 0101 | Zeinab Karake<br>MW 11:00am - 12:15pm | Seats (Total: 35)<br>VMH 1311 |
| 0201 | Zeinab Karake<br>MW 5:00pm - 6:15pm | Seats (Total: 35)<br>VMH 1311 |
| 0301 | Zeinab Karake<br>MW 3:30pm - 4:45pm | Seats (Total: 35)<br>VMH 1311 |

**BMGT408C** **Special Topics in Decision and Information Technologies; Quality Web Development in Business**

**BMGT408C Special Topics in Decision and Information Technologies: Quality Web Development in Business; (3 credits)** Grade Method: REG.
Restricted to QUEST program students.

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|---|---|---|
| 0101 | Joseph Bailey, James Purtilo<br>Th 5:00pm - 7:40pm | Seats (Total: 20)<br>VMH 1330 |

**BMGT410** **Government Accounting**

**BMGT410 Government Accounting; (3 credits)** Grade Method: REG.
*Prerequisite: BMGT221. Credit only granted for: BMGT410 or BMGT428A.* An introduction to the theory and practice of accounting and financial reporting as applied in both federal and state/local governments, with a focus on generally accepted accounting principles applicable in each. Topics include analyzing transactions; recognizing transactions in the accounting cycles; and preparing and analyzing financial statements and the overall financial reports at both the federal and state/local government levels. Restricted to Accounting majors with 60 credit hours completed.

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|---|---|---|
| 0101 | Gary Bulmash<br>TuTh 12:30pm - 1:45pm | Seats (Total: 45)<br>VMH 1418 |

**BMGT411** **Ethics and Professionalism in Accounting**

**BMGT411 Ethics and Professionalism in Accounting; (3 credits)** Grade Method: REG.
*Prerequisite: BMGT311. Restriction: Must be in Accounting program.* Analysis and discussion of issues relating to ethics and professionalism in accounting.

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| 0101 | Jim Staihar<br>MW 2:00pm - 3:15pm<br>*Restricted to Accounting majors with 86 credit hours completed.* | Seats (Total: 35)<br>VMH 1411 |
| 0201 | Jim Staihar<br>MW 3:30pm - 4:45pm<br>*Restricted to Accounting majors with 86 credit hours completed.* | Seats (Total: 35)<br>VMH 1411 |
| 0301 | Stephen Loeb<br>TuTh 12:30pm - 1:45pm<br>*Restricted to Accounting majors with 86 credit hours completed.* | Seats (Total: 35)<br>VMH 1307 |
| 0401 | Stephen Loeb<br>TuTh 2:00pm - 3:15pm<br>*Restricted to Accounting majors with 86 credit hours completed.* | Seats (Total: 35)<br>VMH 1307 |
| SG91 | Nile Webb<br>MW 9:30am - 10:45am<br>*Restricted to Fall 2011 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | Seats (Total: 40)<br>BLD3 4216 |
| SG92 | Jim Staihar<br>MW 11:00am - 12:15pm<br>*Restricted to Fall 2011 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | Seats (Total: 40)<br>BLD3 4216 |

**BMGT417** **Taxation of Corporations, Partnerships and Estates**

**BMGT417 Taxation of Corporations, Partnerships and Estates; (3 credits)** Grade Method: REG.
*Prerequisite: BMGT221.* Federal taxation of corporations using the life-cycle approach-formation, operation, assessment, merger, reorganization and liquidation. Overviews of pass-through entities - partnerships and s-corporations -using the life-cycle approach, and the tax consequences of wealth transfers by individuals - gift and estate taxation. Both tax planning and compliance issues are addressed.

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| 0101 | Eugene Cantor<br>M 7:00pm - 9:40pm<br>*Restricted to Accounting majors with 84 credit hours completed.* | Seats (Total: 45)<br>VMH 1303 |
| SG91 | Samuel Handwerger<br>MW 12:30pm - 1:45pm<br>*Restricted to Fall 2011 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | Seats (Total: 40)<br>BLD3 4202 |
| SG92 | Samuel Handwerger<br>MW 2:00pm - 3:15pm<br>*Restricted to Fall 2011 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate students are not eligible to enroll at Shady Grove.* | Seats (Total: 40)<br>BLD3 4216 |

**BMGT422** **Auditing Theory and Practice**

**BMGT422 Auditing Theory and Practice; (3 credits)** Grade Method: REG. *Prerequisite: BMGT221.* A study of the independent accountant's attest function, generally accepted auditing standards, compliance and substantive tests and report forms and opinions.

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| 0101 | James McKinney<br>TuTh 12:30pm - 1:45pm<br>*Restricted to Accounting majors.* | Seats (Total: 43)<br>VMH 1335 |
| 0201 | James McKinney<br>TuTh 2:00pm - 3:15pm<br>*Restricted to Accounting majors.* | Seats (Total: 43)<br>VMH 1335 |
| 0301 | Elizabeth Folsom<br>TuTh 3:30pm - 4:45pm<br>*Restricted to Accounting majors.* | Seats (Total: 43)<br>VMH 1335 |
| SG91 | James McKinney<br>MW 9:30am - 10:45am<br>*Restricted to Fall 2011 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | Seats (Total: 40)<br>BLD3 4212 |

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|---|---|---|
| SG92 | James McKinney<br>MW 11:00am - 12:15pm | Seats (Total: 40)<br>BLD3 4212 |
| | *Restricted to Fall 2011 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | |

**BMGT423** **Fraud Examination**

**BMGT423 Fraud Examination; (3 credits)** Grade Method: REG.
*Prerequisite: BMGT310.* Covers fraud prevention, detection and investigation techniques. The traditional accounting areas of fraud-fraudulent financial accounting and misappropriation of assets as well as recent and historical cases of fraud will also be examined. Current fraud topics will be discussed. Restricted to Accounting majors with 60 hours credit hours completed.

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| 0101 | Sandra Rose<br>TuTh 9:30am - 10:45am | Seats (Total: 42)<br>VMH 1418 |
| 0201 | Sandra Rose<br>TuTh 11:00am - 12:15pm | Seats (Total: 42)<br>VMH 1418 |
| 0301 | Sandra Rose<br>Tu 7:00pm - 9:40pm | Seats (Total: 42)<br>VMH 1412 |

**BMGT424** **Advanced Accounting**

**BMGT424 Advanced Accounting; (3 credits)** Grade Method: REG.
*Prerequisite: BMGT311.* Advanced accounting theory applied to specialized topics and current problems. Emphasis on consolidated statements and partnership accounting. Restricted to Accounting majors.

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| 0101 | Gary Bulmash<br>TuTh 9:30am - 10:45am | Seats (Total: 40)<br>VMH 1206 |

**BMGT430** **Linear Statistical Models in Business**

**BMGT430 Linear Statistical Models in Business; (3 credits)** Grade Method: REG. *Prerequisite: BMGT231 or BMGT230; or permission of BMGT-Robert H. Smith School of Business.* Model building involving an intensive study of the general linear stochastic model and the applications of this model to business problems. The model is derived in matrix form and this form is used to analyze both the regression and ANOVA formulations of the general linear model. Restricted to BMGT majors with 84 credit hours completed or those in the Quantitative Finance Fellows Program.

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|---|---|---|
| 0101 | Kazim Ruhi | Seats (Total: 40) |
| | TuTh 9:30am - 10:45am | VMH 1336 |

**BMGT434** **Introduction to Optimization**

**BMGT434 Introduction to Optimization; (3 credits)** Grade Method: REG. *Prerequisite: MATH220 or MATH140; or students who have taken courses with comparable content may contact the department. Recommended: MATH221; or MATH141. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.* Introduces concepts and techniques of operations research to model and solve business decision problems, focusing on optimization and commercially available software tools. Models include linear programming, the transportation and assignment problems, network flow models, and non-linear programming. Emphasis is placed on analyzing business scenarios and formulating associated decision models. Restricted to BMGT majors and QUEST program students with 72 credit hours completed.

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|---|---|---|
| 0101 | He Chen | Seats (Total: 40) |
| | MW 11:00am - 12:15pm | VMH 1335 |

**BMGT438D** **Special Topics in Operations Management; Developing Business Relationships and Scoping the Consulting Project**

**BMGT438D Special Topics in Operations Management: Developing Business Relationships and Scoping the Consulting Project; (2 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Kylie King | Seats (Total: 15) |
| | F 10:00am - 12:00pm | VMH 1326 |

**BMGT440** **Advanced Financial Management**

**BMGT440 Advanced Financial Management; (3 credits)** Grade Method: REG. *Prerequisite: BMGT340.* Analysis and discussion of cases and readings relating to financial decisions of the firm. The application of finance concepts to the solution of financial problems is emphasized. Restricted to BMGT majors with 68 credit hours completed.

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| 0101 | David Kass<br>TuTh 5:00pm - 6:15pm | Seats (Total: 45)<br>VMH 1303 |
| 0201 | David Kass<br>TuTh 11:00am - 12:15pm | Seats (Total: 45)<br>VMH 1202 |
| 0301 | David Kass<br>TuTh 2:00pm - 3:15pm | Seats (Total: 45)<br>VMH 1333 |

**BMGT440F** **Advanced Financial Management**

**BMGT440F Advanced Financial Management; (3 credits)** Grade Method: REG. *Prerequisite: BMGT340.* Analysis and discussion of cases and readings relating to financial decisions of the firm. The application of finance concepts to the solution of financial problems is emphasized. Restricted to students in the Smith School's Emerging CFO's Fellows program.

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|---|---|---|
| FP01 | Susan White<br>MW 9:30am - 10:45am | Seats (Total: 35)<br>VMH 1415 |

**BMGT443** **Applied Equity Analysis and Portfolio Management**

**BMGT443 Applied Equity Analysis and Portfolio Management; (3 credits)** Grade Method: REG.
*Prerequisite: BMGT343.* Study and application of the concepts, methods, models, and empirical findings to the analysis, valuation and selection of securities, especially common stock. Restricted to BMGT majors with 84 credit hours completed.

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|---|---|---|
| 0101 | Joseph Perfetti<br>MW 11:00am - 12:15pm | Seats (Total: 40)<br>VMH 3505 |
| 0201 | Joseph Perfetti<br>MW 12:30pm - 1:45pm | Seats (Total: 40)<br>VMH 3505 |

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| 0301 | Joseph Perfetti<br>MW 2:00pm - 3:15pm | Seats (Total: 40)<br>VMH 3505 |
| 0401 | Joseph Perfetti<br>MW 3:30pm - 4:45pm | Seats (Total: 40)<br>VMH 3505 |

**BMGT444** **Futures and Options Contracts**

**BMGT444 Futures and Options Contracts; (3 credits)** Grade Method: REG. *Prerequisite: BMGT343. Credit only granted for: BMGT444 and MATH424.* The institutional features and economic rationale underlying markets in futures and options. Hedging, speculation, structure of futures prices, interest rate futures, efficiency in futures markets and stock and commodity options. Restricted to Finance majors with 84 credit hours completed.

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| 0101 | Joseph Rinaldi<br>MW 5:00pm - 6:15pm | Seats (Total: 50)<br>VMH 1303 |

**BMGT445** **Banking and Financial Institutions**

**BMGT445 Banking and Financial Institutions; (3 credits)** Grade Method: REG. *Prerequisite: BMGT340. Recommended: ECON330 or BMGT341.* Analysis and discussion of cases and readings in commercial bank management. The loan function is emphasized; also the management of liquidity reserves, investments for income and source of funds. Bank objectives, functions, policies, organization, structure, services and regulation are considered. Restricted to Finance majors with 84 credit hours completed.

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| 0101 | Elinda Kiss<br>MW 9:30am - 10:45am | Seats (Total: 45)<br>VMH 1418 |
| 0201 | Elinda Kiss<br>MW 12:30pm - 1:45pm | Seats (Total: 45)<br>VMH 1336 |
| 0301 | Elinda Kiss<br>MW 3:30pm - 4:45pm | Seats (Total: 45)<br>VMH 1336 |

**BMGT445F** **Banking and Financial Institutions**

**BMGT445F Banking and Financial Institutions; (3 credits)** Grade Method: REG. *Prerequisite: BMGT340. Recommended: ECON330 or BMGT341.* Analysis and discussion of cases and readings in commercial bank management. The loan function is emphasized; also the management of liquidity reserves, investments for income and source of funds. Bank objectives, functions, policies, organization, structure, services and regulation are considered. Restricted to students in the Financial Services Fellows program.

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|---|---|---|
| FP01 | Elinda Kiss | Seats (Total: 35) |
| | MW 2:00pm - 3:15pm | VMH 1336 |

**BMGT446** **International Finance**

**BMGT446 International Finance; (3 credits)** Grade Method: REG. *Prerequisite: BMGT340.* Financial management from the perspective of the multinational corporation. Topics covered include the organization and functions of foreign exchange and international capital markets, international capital budgeting, financing foreign trade and designing a global financing strategy. Emphasis of the course is on how to manage exchange and political risks while maximizing benefits from global opportunity sets faced by the firm.

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|---|---|---|
| 0101 | Michael Lee | Seats (Total: 40) |
| | MW 12:30pm - 1:45pm | VMH 1411 |
| | *Restricted to Finance and International Business majors with 72 credit hours completed.* | |
| 0201 | Michael Lee | Seats (Total: 40) |
| | MW 11:00am - 12:15pm | VMH 1411 |
| | *Restricted to Finance and International Business majors with 72 credit hours completed.* | |
| 0301 | Jeongmin Lee | Seats (Total: 40) |
| | TuTh 2:00pm - 3:15pm | VMH 1418 |
| | *Restricted to Finance and International Business majors with 72 credit hours completed.* | |
| 0401 | George Starkweather | Seats (Total: 40) |
| | TuTh 3:30pm - 4:45pm | VMH 1418 |
| | *Restricted to Finance and International Business majors with 72 credit hours completed.* | |

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|---|---|---|
| SG91 | Michael Lee<br>TuTh 11:00am - 12:15pm | Seats (Total: 48)<br>BLD3 4211 |
| | *Restricted to Fall 2011 BMGT-Shady Grove cohort; all majors excluding Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | |
| SG92 | Michael Lee<br>TuTh 12:30pm - 1:45pm | Seats (Total: 47)<br>BLD3 4211 |
| | *Restricted to Fall 2011 BMGT-Shady Grove cohort students majoring in Accounting and International Business. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | |

**BMGT448B** **Special Topics in Finance; Private Equity and Venture Capital**

**BMGT448B** *(PermReq)* **Special Topics in Finance: Private Equity and Venture Capital; (3 credits)** Grade Method: REG.
Restricted to students in the Smith School's Private Equity and Venture Captial Clinic (PEVCC) fellows program. There will be occasional course activities between 9a.m. and 12p.m. on Fridays throughout the semester. Students are expected to keep their course schedule open from 9a.m.-12p.m. on Fridays. Click here for more course information.

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|---|---|---|
| 0101 | Mark Grovic<br>Tu 12:30pm - 3:00pm<br>Contact instructor or department for details. | Seats (Total: 12)<br>VMH 2505 |

**BMGT448C** **Special Topics in Finance; Advanced Portfolio Management**

**BMGT448C Special Topics in Finance: Advanced Portfolio Management; (3 credits)** Grade Method: REG.
Prerequisite: BMGT343 and BMGT430 or ECON422. Restricted to students in the Smith School's Quantitative Finance Fellows program. Click here for more course information.

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| FP01 | Russell Wermers<br>MW 3:30pm - 4:45pm | Seats (Total: 35)<br>VMH 1415 |

**BMGT448E** **Special Topics in Finance; Computational Finance**

**BMGT448E Special Topics in Finance: Computational Finance; (3 credits)** Grade Method: REG.
Prerequisite: BMGT343. Restricted to Finance majors with 72 credit hours completed.

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|---|---|---|
| FP01 | Mark Taranto | Seats (Total: 40) |
| | MW 11:00am - 12:15pm | VMH 1336 |

**BMGT448J** **Special Topics in Finance; Investment Banking**
**Contact department for information to register for this course.**

**BMGT448L** **Special Topics in Finance; Hedge Fund Management**

**BMGT448L Special Topics in Finance: Hedge Fund Management; (3 credits)** Grade Method: REG.
Prerequisite: BMGT340. Restricted to Finance majors with 72 credit hours completed.

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|---|---|---|
| FP01 | Kenneth Brodkowitz | Seats (Total: 30) |
| | MW 9:30am - 10:45am | VMH 1411 |

**BMGT449F** **Investment Fund Management: Lemma Senbet Fund; Investment Fund Management**

**BMGT449F Investment Fund Management: Lemma Senbet Fund: Investment Fund Management; (3 credits)** Grade Method: REG.
Restricted to students in the Smith School's Lemma Senbet Fund Fellows program.

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|---|---|---|
| FP01 | Sarah Kroncke | Seats (Total: 12) |
| | TuTh 10:30am - 12:20pm | VMH 3330H |

**BMGT450** **Integrated Marketing Communications**

**BMGT450 Integrated Marketing Communications; (3 credits)** Grade Method: REG. *Prerequisite: BMGT350. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business. Credit only granted for: BMGT354 or BMGT450. Formerly: BMGT354.* In-depth study of coordinated marketing activities including advertising, sales promotion, Internet marketing, direct marketing and personal selling. Emphasizes strategic planning to effectively use these promotional tools to communicate with customers and meet marketing goals. Blends theory and current practice to provide managerial orientation.

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|---|---|---|
| 0101 | Anastasiya Pocheptsova<br>TuTh 9:30am - 10:45am | Seats (Total: 32)<br>VMH 1411 |
| | *Restricted to BMGT majors with 60 credit hours completed.* | |
| 0201 | Anastasiya Pocheptsova<br>TuTh 11:00am - 12:15pm | Seats (Total: 32)<br>VMH 1411 |
| | *Restricted to BMGT majors with 60 credit hours completed.* | |
| SG91 | Robert Fiddler<br>TuTh 9:30am - 10:45am | Seats (Total: 27)<br>BLD3 4211 |
| | *Restricted to Fall 2011 BMGT-Shady Grove cohort students majoring in Management and Fall 2012 BMGT-Shady Grove cohort students majoring in International Business. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | |
| SG92 | Anastasiya Pocheptsova<br>TuTh 2:00pm - 3:15pm | Seats (Total: 30)<br>BLD3 4212 |
| | *Restricted to Fall 2011 BMGT-Shady Grove cohort students majoring in Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | |

**BMGT450F** **Integrated Marketing Communications**

**BMGT450F Integrated Marketing Communications; (3 credits)** Grade Method: REG.
*Prerequisite: BMGT350. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business. Credit only granted for: BMGT354 or BMGT450. Formerly: BMGT354.* In-depth study of coordinated marketing activities including advertising, sales promotion, Internet marketing, direct marketing and personal selling. Emphasizes strategic planning to effectively use these promotional tools to communicate with customers and meet marketing goals. Blends theory and current practice to provide managerial orientation. Restricted to students in the Smith School's Sports Management Fellows and Music Management Fellows programs.

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| FP01 | Robert Fiddler<br>TuTh 3:30pm - 4:45pm | Seats (Total: 30)<br>VMH 1307 |

**BMGT451** **Consumer Analysis**

**BMGT451 Consumer Analysis; (3 credits)** Grade Method: REG.
*Prerequisite: BMGT350. Recommended: PSYC100; and PSYC221.* Identifying buyer behavior concepts relevant to a specific marketing problem so that appropriate marketing decisions can be made. Conceptual frameworks are drawn from psychology, sociology, economics, and other social sciences to aid in understanding the behavior of ultimate and industrial buyers.

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| 0101 | Henry Boyd<br>MW 2:00pm - 3:15pm<br>*Restricted to Marketing majors with 68 credit hours completed.* | Seats (Total: 45)<br>VMH 1303 |
| 0201 | Marjorie Bonavia<br>MW 9:30am - 10:45am<br>*Restricted to Marketing majors with 68 credit hours completed.* | Seats (Total: 45)<br>VMH 1206 |
| SG91 | Simon Bensimon<br>TuTh 11:00am - 12:15pm<br>*Restricted to Fall 2011 BMGT-Shady Grove cohort students majoring in International Business and Fall 2012 BMGT-Shady Grove students majoring in Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate students are not eligible to enroll at Shady Grove.* | Seats (Total: 45)<br>BLD3 4212 |

**BMGT452** **Marketing Research Methods**

**BMGT452 Marketing Research Methods; (3 credits)** Grade Method: REG.
*Prerequisite: BMGT350 and BMGT230.* Focuses on aiding marketing decision-making through exploratory, descriptive and casual research. Develops student skills in designing market research studies, including selection of data collection method, development of data collection instrument, sample design, collection and statistical analysis of data and reporting the results. Restricted to Marketing majors with 72 credit hours completed.

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| 0101 | Liye Ma<br>TuTh 9:30am - 10:45am | Seats (Total: 35)<br>VMH 1307 |
| 0201 | Liye Ma<br>MW 9:30am - 10:45am | Seats (Total: 35)<br>VMH 1307 |
| 0301 | Liye Ma<br>MW 11:00am - 12:15pm | Seats (Total: 35)<br>VMH 1307 |

**BMGT454** **Global Marketing**

**BMGT454 Global Marketing; (3 credits)** Grade Method: REG.
*Prerequisite: BMGT350.* Marketing functions from the global executive's viewpoint, including coverage of global marketing policies relating to product adaptation, data collection and analysis, channels of distribution, pricing, communications and cost analysis. Consideration is given to the cultural, legal, financial and organizational aspects of global marketing. Restricted to BMGT majors with 72 credit hours completed.

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| 0101 | M Fardanesh<br>MW 2:00pm - 3:15pm | Seats (Total: 40)<br>VMH 2203 |
| 0201 | M Fardanesh<br>MW 3:30pm - 4:45pm | Seats (Total: 40)<br>VMH 2203 |

**BMGT455** **Sales Management**

**BMGT455 Sales Management; (3 credits)** Grade Method: REG.
*Prerequisite: BMGT350.* The roles of the sales executive as a planner, manager of resources and marketing functions and recruiter, trainer, motivator and leader of field sales personnel. Techniques and sequence of problem analysis for selling and sales management decisions and to the practical framework in which these decisions take place. Teaching vehicles feature strong classroom interactions, cases, journal articles, research findings, guest sales managers, debates, and modern company practices. Restricted to Fall 2012 BMGT-Shady Grove cohort students majoring in Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate students are not eligible to enroll at Shady Grove.

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|---|---|---|
| SG91 | Simon Bensimon<br>MW 12:30pm - 1:45pm | Seats (Total: 45)<br>BLD3 4215 |
| | *Restricted to Fall 2011 BMGT-Shady Grove cohort majoring in Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | |

**BMGT457** **Marketing Policies and Strategies**

**BMGT457 Marketing Policies and Strategies; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
*Prerequisite: BMGT350.* This capstone course ties together various marketing concepts using the fundamentals of strategic market planning as the framework. Application of these principles is accomplished by analyzing and discussing cases and by playing a marketing strategy computer simulation game. Analysis of current business articles to understand the link between theory and real-world problem solving.

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|---|---|---|
| 0101 | Richard Newman<br>MW 9:30am - 10:45am<br>*Restricted to Marketing majors with 100 credit hours completed.* | Seats (Total: 47)<br>VMH 1202 |
| 0201 | Roland Rust<br>MW 3:30pm - 4:45pm<br>*Restricted to Marketing majors with 100 credit hours completed.* | Seats (Total: 47)<br>VMH 1412 |
| 0301 | Roland Rust<br>MW 12:30pm - 1:45pm<br>*Restricted to Marketing majors with 100 credit hours completed.* | Seats (Total: 47)<br>VMH 1307 |
| SG91 | Simon Bensimon<br>MW 2:00pm - 3:15pm<br>*Restricted to Fall 2011 BMGT-Shady Grove cohort students majoring in Marketing. Other students may request enrollment on a space available. basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | Seats (Total: 35)<br>BLD3 4215 |

**BMGT458A** **Special Topics in Marketing; Design and Innovation in Marketing**

**BMGT458A Special Topics in Marketing: Design and Innovation in Marketing; (3 credits)** Grade Method: REG.
Restricted to Design and Innovation Marketing Fellows.

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|---|---|---|
| FP01 | Mary Harms<br>TuTh 9:30am - 10:45am | Seats (Total: 35)<br>VMH 1202 |

**BMGT458Q** **Special Topics in Marketing; Computer Graphics Workshop**

**BMGT458Q Special Topics in Marketing: Computer Graphics Workshop; (3 credits)** Grade Method: REG.
Restricted to students in the Smith School's Design and Innovation Marketing Fellows program.

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|---|---|---|
| FP01 | Elisabeth Kvernen<br>W 5:00pm - 7:40pm | Seats (Total: 17)<br>VMH 3507 |

**BMGT461** **Entrepreneurship**

**BMGT461 Entrepreneurship; (3 credits)** Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
*Restriction: Must not have completed BMGT361. Credit only granted for: BMGT261, BMGT361, or BMGT461.* Process of creating new ventures, including evaluating the entrepreneurial team, the opportunity and the financing requirements. Skills, concepts, mental attitudes and knowledge relevant for starting a new business. Restricted to BMGT majors with 72 credit hours completed. Non-majors sh ould register for BMGT461N.

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|---|---|---|
| 0101 | Oliver Schlake<br>Tu 7:00pm - 9:40pm | Seats (Total: 20)<br>VMH 1303 |
| 0201 | Oliver Schlake<br>M 7:00pm - 9:40pm | Seats (Total: 40)<br>VMH 1412 |

**BMGT461N** **Entrepreneurship**

**BMGT461N Entrepreneurship; (3 credits)** Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
*Restriction: Must not have completed BMGT361. Credit only granted for: BMGT261, BMGT361, or BMGT461.* Process of creating new ventures, including evaluating the entrepreneurial team, the opportunity and the financing requirements. Skills, concepts, mental attitudes and knowledge relevant for starting a new business. Restricted to non-BMGT majors with 72 credit hours completed. BMGT majors should register for BMGT461.

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|---|---|---|
| 0101 | Oliver Schlake<br>Tu 7:00pm - 9:40pm | Seats (Total: 20)<br>VMH 1303 |

**BMGT463** **Cross-cultural Challenges in Business**

**BMGT463 Cross-cultural Challenges in Business; (3 credits)** Grade Method: REG.
*Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.*
Examines in depth the nature of international cultural value-differences and their behavioral-related effects in the workplace. Topics include decision-making and leadership styles and reactions to various work assignments and reward structures. Restricted to International Business and Management majors with 72 credit hours completed.

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|---|---|---|
| 0101 | Nicole Coomber<br>MW 3:30pm - 4:45pm | Seats (Total: 45)<br>VMH 1524 |

**BMGT463F** **Cross-cultural Challenges in Business**

**BMGT463F Cross-cultural Challenges in Business; (3 credits)** Grade Method: REG.
*Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.*
Examines in depth the nature of international cultural value-differences and their behavioral-related effects in the workplace. Topics include decision-making and leadership styles and reactions to various work assignments and reward structures. Restricted to students in the Smith School's Global Fellows program.

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|---|---|---|
| FP01 | Patricia Cleveland<br>W 5:00pm - 7:40pm | Seats (Total: 35)<br>VMH 1202 |

**BMGT466** **Global Business Strategy**

**BMGT466 Global Business Strategy; (3 credits)** Grade Method: REG.
*Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.*
Focuses on the strategic challenges that directly result from and are associated with the globalization of industries and companies. Topics include drivers of industry globalization, difference between global and multi-domestic industry, global expansion strategies, sources of competitive advantage in a global context, and coordination of a company across a global network.

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|---|---|---|
| 0101 | Mark Wellman<br>Th 3:35pm - 6:05pm<br>*Restricted to International Business and Management majors with 72 credit hours completed.* | Seats (Total: 55)<br>TYD 2106 |

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|---|---|---|
| SG91 | Yusuf Azizullah | Seats (Total: 40) |
| | MW 11:00am - 12:15pm | BLD3 4202 |
| | *Restricted to Fall 2011 BMGT-Shady Grove cohort students majoring in International Business. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | |

**BMGT468B** **Special Topics in Management and Organization; Doing Business in Emerging Markets**
**Contact department for information to register for this course.**

**BMGT468C** **Special Topics in Management and Organization; Managing in a Global Economy with an Emphasis on China**
**Contact department for information to register for this course.**

**BMGT468I** **Special Topics in Management and Organization; Dynamic Project Leadership**
**Contact department for information to register for this course.**

**BMGT468J** **Special Topics in Management and Organization; European Business Strategy**
**Contact department for information to register for this course.**

**BMGT468L** **Special Topics in Management and Organization; Innovation**

**BMGT468L** *(PermReq)* **Special Topics in Management and Organization: Innovation; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Mark Wellman | Seats (Total: 17) |
| | Tu 7:00pm - 9:45pm | Location: TBA |

**BMGT468M** **Special Topics in Management and Organization; European Business Cultures: Management and Marketing in Cross-National Perspective**
**Contact department for information to register for this course.**

**BMGT468Q** **Special Topics in Management and Organization; Social Ventures Consulting Practicum**

**BMGT468Q Special Topics in Management and Organization: Social Ventures Consulting Practicum; (3 credits)** Grade Method: REG.
Restricted to BMGT majors or students in the QUEST Honors Program.

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|---|---|---|
| 0101 | Nicole Coomber | Seats (Total: 20) |
| | MW 2:00pm - 3:15pm | VMH 1311 |

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|---|---|---|
| 0201 | Nicole Coomber<br>MW 2:00pm - 3:15pm<br>*Restricted to QUEST program students.* | Seats (Total: 0)<br>VMH 1311 |

**BMGT469D** **Management and Organization Short-term Study Abroad; Management and Organization Short-term Study Abroad: Dubai: Global Immersion Experience**

**Contact department for information to register for this course.**

**BMGT470** **Carrier Management**

**BMGT470 Carrier Management; (3 credits)** Grade Method: REG.
*Prerequisite: BMGT370.* The study of the wide range of issues facing managers in transportation. This includes decisions on market entry, pricing, competitive responses, service levels, marketing strategies, capital structure, and growth objectives. Specific management decisions and overall strategies pursued by management are examined. Restricted to Supply Chain Management majors.

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|---|---|---|
| 0101 | Thomas Corsi<br>MW 11:00am - 12:15pm | Seats (Total: 26)<br>VMH 3522 |
| 0201 | Thomas Corsi<br>TuTh 3:30pm - 4:45pm | Seats (Total: 26)<br>VMH 3522 |

**BMGT472** **Purchasing and Inbound Logistics**

**BMGT472 Purchasing and Inbound Logistics; (3 credits)** Grade Method: REG.
*Prerequisite: BMGT372.* Analysis of the resupply activities of logistics management, including purchasing policies, transportation planning, and inventory control. Attention is directed toward total cost minimization and the establishment of a sustainable competitive advantage based on procurement. Restricted to Supply Chain Management majors.

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| 0101 | Philip Evers<br>MW 9:30am - 10:45am | Seats (Total: 40)<br>VMH 1336 |

**BMGT476** **Technology Applications in Supply Chain Management**

**BMGT476 Technology Applications in Supply Chain Management; (3 credits)** Grade Method: REG.

*Prerequisite: BMGT372.* An understanding of the role of technology in managing the supply chain. Provides students with hands-on experience in advanced software systems that build on top of enterprise resource planning systems. Major emphasis is placed on demonstrating that these systems result in supply chain cost reductions and service improvements. Restricted to Supply Chain Management and Information Systems majors.

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|---|---|---|
| 0101 | Yan Dong<br>MW 2:00pm - 3:15pm | Seats (Total: 24)<br>VMH 3522 |
| 0201 | Yan Dong<br>MW 12:30pm - 1:45pm | Seats (Total: 24)<br>VMH 3522 |
| 0301 | Kevin Sweeney<br>TuTh 2:00pm - 3:15pm | Seats (Total: 24)<br>VMH 3522 |
| 0401 | Omar Elwakil<br>TuTh 12:30pm - 1:45pm | Seats (Total: 24)<br>VMH 3522 |

**BMGT477** **International Supply Chain Management**

**BMGT477 International Supply Chain Management; (3 credits)** Grade Method: REG.

The study of the importance of the supply chain management within a global context. Topics covered include: the structure, service, pricing and competitive relationships among international carriers and transport intermediaries as well as documentation, location decisions, international sourcing/distribution and management of inventory throughout the international supply chain.

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|---|---|---|
| 0101 | Gary Cohen<br>TuTh 9:30am - 10:45am<br>*Restricted to Supply Chain Management majors and International Business majors.* | Seats (Total: 45)<br>VMH 1335 |
| 0201 | Gary Cohen<br>TuTh 11:00am - 12:15pm<br>*Restricted to Supply Chain Management majors and International Business majors.* | Seats (Total: 45)<br>VMH 1335 |

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|---|---|---|
| SG91 | Koki Nagata<br>MW 12:30pm - 1:45pm | Seats (Total: 40)<br>BLD3 4219 |
| | *Restricted to Fall 2011 BMGT-Shady Grove cohort students majoring in International Business. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | |

**BMGT484** **Electronic Marketing**

**BMGT484 Electronic Marketing; (3 credits)** Grade Method: REG.
*Prerequisite: BMGT350. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.* Examines the process of developing, implementing and analyzing strategies for successfully marketing a variety of existing and potential products and services on the Internet. Special attention devoted to the tools and techniques unique to the electronic media. Restricted to BMGT majors with 60 credit hours completed.

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|---|---|---|
| 0101 | Mary Harms<br>TuTh 11:00am - 12:15pm | Seats (Total: 40)<br>VMH 1311 |
| 0201 | Michael Trusov<br>TuTh 9:30am - 10:45am | Seats (Total: 40)<br>VMH 3505 |
| 0301 | Mary Harms<br>TuTh 2:00pm - 3:15pm | Seats (Total: 40)<br>VMH 1311 |

**BMGT485** **Project Management**

**BMGT485 Project Management; (3 credits)** Grade Method: REG.
*Prerequisite: BMGT231 or BMGT230; or students who have taken courses with comparable content may contact the department. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.* Modern project management techniques that are used by modern practicing professionals will be covered. Particular attention is given to the management of technology based systems and projects in a business enterprise. The topics covered include: defining project scope, alignment of projects with enterprise strategy, managing project cost, time and risks using tools such as CPM/PERT, and measuring project performance. Restricted to BMGT majors and QUEST program students with 72 credit hours completed.

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| 0101 | Pamela Armstrong<br>MW 3:30pm - 4:45pm | Seats (Total: 45)<br>VMH 1206 |

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| 0201 | Pamela Armstrong<br>M 7:00pm - 9:40pm | Seats (Total: 45)<br>VMH 1307 |

**BMGT487F** **Six Sigma Innovation**

**BMGT487F Six Sigma Innovation; (3 credits)** Grade Method: REG.
*Prerequisite: STAT400, BMGT231, BMGT230, or ENME392.* Enhances the overall understanding of Six Sigma Strategy, Tools and Methods to positively influence the performance of a business process, a product or service. Highlights the application of Define-Measure-Analyze-Improve-Control (DMAIC),Design For Six Sigma (DFSS), and the pursuit of Critical to Quality criteria (CTQ's) in a collaborative perspective, one that recognizes a balance between efficiency, and effectiveness and between statistical analysis and statistical thinking. Restricted to students in the Business Process Fellows Program, studentsin the QUEST Honors Program, and BMGT majors with 60 credit hours completed.

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|---|---|---|
| FP01 | Francis Alt<br>TuTh 11:00am - 12:15pm | Seats (Total: 35)<br>VMH 1303 |

**BMGT488D** **Special Topics in Logistics, Business, and Public Policy; Value Chain Challenges of the Cruise Ship Industry**
**Contact department for information to register for this course.**

**BMGT488R** **Special Topics in Logistics, Business, and Public Policy; International Business Law**
**Contact department for information to register for this course.**

**BMGT488W** **Special Topics in Logistics, Business, and Public Policy; Social Innovation Practicum**

**BMGT488W Special Topics in Logistics, Business, and Public Policy: Social Innovation Practicum; (3 credits)** Grade Method: REG.
Restricted to students in the Smith School's Social Innovation Fellows program.

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|---|---|---|
| FP01 | Melissa Carrier<br>TuTh 12:30pm - 1:45pm | Seats (Total: 23)<br>VMH 1202 |

**BMGT488X** **Special Topics in Logistics, Business, and Public Policy; Executive Seminar in Logistics**

**BMGT488X Special Topics in Logistics, Business, and Public Policy: Executive Seminar in Logistics; (3 credits)** Grade Method: REG.
Restricted to students in the Smith Schools Supply Chain Management Fel lows program.

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| FP01 | Lisa Harrington | Seats (Total: 30) |
| | Tu 7:00pm - 9:40pm | VMH 1307 |

**BMGT494H** **Honors Study**

**BMGT494H** *(PermReq)* **Honors Study; (3 credits)** Grade Method: REG.
*Prerequisite: BMGT493. Restriction: Permission of BMGT-Robert H. Smith School of Business; and must be in the Smith School Honors Fellows program.* Second semester of the senior year. The student shall continue and complete the research initiated in BMGT 493, additional reports may be required at the discretion of the faculty advisor and Assistant Dean of Undergraduate Studies. Restricted to BMGT Honors students.

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| 0101 | Charles Olson | Seats (Total: 25) |
| | Contact instructor or department for details. | |

**BMGT495** **Business Policies**

**BMGT495 Business Policies; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
*Prerequisite: BMGT364, BMGT350, and BMGT340. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.* A case study course where students apply what they have learned of general management principles and their specialized functional applications to the overall management function in the enterprise.

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| 0101 | Paul Silverman | Seats (Total: 35) |
| | TuTh 2:00pm - 3:15pm | VMH 1206 |
| | *Restricted to graduating BMGT majors with 100 credit hours completed.* | |
| 0201 | Gosia Langa | Seats (Total: 35) |
| | TuTh 9:30am - 10:45am | VMH 1314 |
| | *Restricted to graduating BMGT majors with 100 credit hours completed.* | |

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|---|---|---|
| 0301 | Paul Silverman<br>Tu 7:00pm - 9:40pm | Seats (Total: 35)<br>VMH 1314 |
| | *Restricted to graduating BMGT majors with 100 credit hours completed.* | |
| 0401 | Paul Silverman<br>TuTh 3:30pm - 4:45pm | Seats (Total: 35)<br>VMH 1411 |
| | *Restricted to graduating BMGT majors with 100 credit hours completed.* | |
| 0501 | W Knight<br>TuTh 11:00am - 12:15pm | Seats (Total: 35)<br>VMH 1314 |
| | *Restricted to graduating BMGT majors with 100 credit hours completed.* | |
| 0601 | W Knight<br>TuTh 12:30pm - 1:45pm | Seats (Total: 35)<br>VMH 1314 |
| | *Restricted to graduating BMGT majors with 100 credit hours completed.* | |
| 0701 | W Knight<br>TuTh 2:00pm - 3:15pm | Seats (Total: 35)<br>VMH 1314 |
| | *Restricted to graduating BMGT majors with 100 credit hours completed.* | |
| 0801 | Gosia Langa<br>TuTh 3:30pm - 4:45pm | Seats (Total: 35)<br>VMH 1314 |
| | *Restricted to graduating BMGT majors with 100 credit hours completed.* | |
| 0901 | Michael Geppi<br>M 7:00pm - 9:40pm | Seats (Total: 35)<br>VMH 1314 |
| | *Restricted to graduating BMGT majors with 100 credit hours completed.* | |
| 1001 | Gosia Langa<br>MW 9:30am - 10:45am | Seats (Total: 35)<br>VMH 1314 |
| | *Restricted to graduating BMGT majors with 100 credit hours completed.* | |
| 1101 | Gosia Langa<br>MW 11:00am - 12:15pm | Seats (Total: 35)<br>VMH 1314 |
| | *Restricted to graduating BMGT majors with 100 credit hours completed.* | |
| 1201 | James Spina<br>MW 12:30pm - 1:45pm | Seats (Total: 35)<br>VMH 1314 |
| | *Restricted to graduating BMGT majors with 100 credit hours completed.* | |

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| 1301 | James Spina<br>MW 2:00pm - 3:15pm | Seats (Total: 35)<br>VMH 1314 |
| | *Restricted to graduating BMGT majors with 100 credit hours completed.* | |
| 1401 | Waverly Ding<br>MW 12:30pm - 1:45pm | Seats (Total: 35)<br>VMH 1415 |
| | *Restricted to graduating BMGT majors with 100 credit hours completed.* | |
| 1501 | Waverly Ding<br>MW 3:30pm - 4:45pm | Seats (Total: 35)<br>VMH 1314 |
| | *Restricted to graduating BMGT majors with 100 credit hours completed.* | |
| 1601 | Waverly Ding<br>MW 11:00am - 12:15pm | Seats (Total: 35)<br>VMH 1415 |
| | *Restricted to graduating BMGT majors with 100 credit hours completed.* | |
| SG91 | Qiang Li<br>TuTh 9:30am - 10:45am | Seats (Total: 35)<br>BLD3 2206 |
| | *Restricted to all Fall 2011 BMGT-Shady Grove cohort students majoring i Accounting and Accounting and International Business. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | |
| SG92 | Rafael Corredoira<br>TuTh 9:30am - 10:45am | Seats (Total: 35)<br>BLD3 4206 |
| | *Restricted to Fall 2011 BMGT-Shady Grove cohort students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | |
| SG93 | Qiang Li<br>TuTh 11:00am - 12:15pm | Seats (Total: 34)<br>BLD3 2206 |
| | *Restricted to Fall 2011 BMGT-Shady Grove cohort students majoring in Accounting and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | |
| SG94 | Rafael Corredoira<br>TuTh 11:00am - 12:15pm | Seats (Total: 35)<br>BLD3 4206 |
| | *Restricted to Fall 2011 BMGT-Shady Grove cohort students majoring in Accounting and International Business. Other students may request enrollment on a space available basis. UMCP BMGT students are not eligible to enroll at Shady Grove.* | |

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|---|---|---|
| SG95 | Rafael Corredoira | Seats (Total: 35) |
| | TuTh 12:30pm - 1:45pm | BLD3 4206 |
| | *Restricted to Fall 2011 BMGT-Shady Grove cohort students majoring in Management and Marketing. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | |

**BMGT495H** **Business Policies**

**BMGT495H** *(PermReq)* **Business Policies; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice. *Prerequisite: BMGT364, BMGT350, and BMGT340. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.* A case study course where students apply what they have learned of general management principles and their specialized functional applications to the overall management function in the enterprise. Restricted to graduating BMGT Honors students with 100 credit hours completed.

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| 0101 | Protiti Dastidar | Seats (Total: 36) |
| | MW 9:30am - 10:45am | VMH 1303 |

**BMGT496** **Business Ethics and Society**

**BMGT496 Business Ethics and Society; (3 credits)** Grade Method: REG. *Prerequisite: 1 course in BMGT; or permission of BMGT-Robert H. Smith School of Business.* A study of the standards of business conduct, morals and values as well as the role of business in society with consideration of the sometimes conflicting interests of and claims on the firm and its objectives. Emphasizes a strategic approach by business to the management of its external environment.

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|---|---|---|
| 0101 | Brian Nelson | Seats (Total: 45) |
| | TuTh 12:30pm - 1:45pm | VMH 1411 |
| | *Restricted to BMGT majors with 53 credit hours completed.* | |

**BMGT498C** **Special Topics in Business and Management; The Business of French and Dutch Design and Culture**

**Contact department for information to register for this course.**

**BMGT498G** **Special Topics in Business and Management; Financial Markets**

**BMGT498G Special Topics in Business and Management: Financial Markets; (3 credits)** Grade Method: REG.
Restricted to Finance majors with 60 credit hours completed. Click here for more course information.

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|---|---|---|
| 0201 | Julie Pavlovsky | Seats (Total: 40) |
| | TuTh 9:30am - 10:45am | VMH 1333 |

**BMGT498N** **Special Topics in Business and Management; International Negotiations**
**Contact department for information to register for this course.**

**BMGT498P** **Special Topics in Business and Management; Sociopolitical Perspective**
**Contact department for information to register for this course.**

**BMGT498Q** **Special Topics in Business and Management; Building a Winning Team**

**BMGT498Q Special Topics in Business and Management: Building a Winning Team; (3 credits)** Grade Method: REG.
This course is restricted to QUEST program students.

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| 0101 | David Ashley | Seats (Total: 35) |
| | Tu 5:00pm - 7:40pm | VMH 1330 |

**BMGT499A** **Advanced Business Topics; Financial Bubbles and Panics**

**BMGT499A Advanced Business Topics: Financial Bubbles and Panics; (1 credit)** Grade Method: REG/P-F/AUD.
Restricted to BMGT majors with 60 credit hours completed. Prerequisite B MGT340.

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|---|---|---|
| 0101 | David Sicilia | Seats (Total: 35) |
| | **Meets January 30, 2013 - March 15, 2013** | |
| | Tu 7:00pm - 9:00pm | VMH 1415 |

**BMGT499B** **Advanced Business Topics; Financial Cyberinfrastructure**

**BMGT499B Advanced Business Topics: Financial Cyberinfrastructure; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: BMGT402 or permission of instructor.Restricted to BMGT m ajors with 60 credits completed.

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|---|---|---|
| 0101 | Louiqa Raschid | Seats (Total: 20) |
| | **Meets April 2, 2013 - April 30, 2013** | |
| | Tu 7:00pm - 9:40pm | VMH 1336 |

**BMGT702** **Systems & Design Thinking**
**Contact department for information to register for this course.**

**BMGT703** **ICT Supply Chain Risk Management**
**Contact department for information to register for this course.**

**BMGT704** **Information Technology Acquisition in the Federal Government**
**Contact department for information to register for this course.**

**BMGT705** **Cybersecurity Technology**
**Contact department for information to register for this course.**

**BMGT706** **Capstone - Cybersecurity Leadership**
**Contact department for information to register for this course.**

**BMGT808I** **Special Topics in Information Systems; Social and Behavioral IS Research: Individuals, Teams and Communities**

**BMGT808I Special Topics in Information Systems: Social and Behavioral IS Research: Individuals, Teams and Communities; (2 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Katherine Stewart | Seats (Total: 12) |
| | **Meets January 23, 2013 - March 15, 2013** | |
| | M 1:00pm - 4:35pm | VMH 1326 |

**BMGT808J** **Special Topics in Information Systems; Social and Behavioral IS Research: Institutions, Firms, and Collectives**

**BMGT808J Special Topics in Information Systems: Social and Behavioral IS Research: Institutions, Firms, and Collectives; (2 credits)** Grade Method: REG/AUD.

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| 0101 | Anand Gopal | Seats (Total: 12) |
| | **Meets March 25, 2013 - May 9, 2013** | |
| | Contact instructor or department for details. | |

**BMGT808O** **Special Topics in Information Systems; Current Research in IS: Opportunities at Disciplinary Interfaces**

**BMGT808O Special Topics in Information Systems: Current Research in IS: Opportunities at Disciplinary Interfaces; (2 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Sunil Mithas | Seats (Total: 12) |
| | **Meets January 23, 2013 - March 15, 2013** | |
| | Tu 3:00pm - 6:35pm | VMH 2509 |

**BMGT808P** **Special Topics in Information Systems; Current Research in IS: Quality Transparency and the Value of Information**

**BMGT808P Special Topics in Information Systems: Current Research in IS: Quality Transparency and the Value of Information; (2 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Guodong Gao | Seats (Total: 12) |
| | **Meets March 25, 2013 - May 9, 2013** | |
| | Tu 3:00pm - 6:35pm | VMH 2509 |

**BMGT808R** **Special Topics in Information Systems; Research Seminar in Decision, Operations and Information Technologies**

**BMGT808R Special Topics in Information Systems: Research Seminar in Decision, Operations and Information Technologies; (1 credit)** Grade Method: REG/AUD.

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| 0101 | Il-Horn Hann | Seats (Total: 15) |
| | F 2:00pm - 3:30pm | VMH 1335 |

**BMGT818C** **Special Topics in Accounting and Information Assurance; Corporate Governance and Accounting**

**BMGT818C Special Topics in Accounting and Information Assurance: Corporate Governance and Accounting; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Shijun Cheng<br>M 3:30pm - 6:40pm | Seats (Total: 12)<br>VMH 4335 |

**BMGT818R** **Special Topics in Accounting and Information Assurance; Workshop in Accounting Research**

**BMGT818R Special Topics in Accounting and Information Assurance: Workshop in Accounting Research; (1 credit)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Nicholas Seybert<br>Contact instructor or department for details. | Seats (Total: 10) |

**BMGT828** **Independent Study in Business and Management**

**BMGT828 Independent Study in Business and Management; (1-9 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**BMGT831** **Operations Research: Extension of Linear Programming and Network Analysis**

**BMGT831 Operations Research: Extension of Linear Programming and Network Analysis; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: BMGT830; or students who have taken courses with comparable content may contact the department; or permission of BMGT-Robert H. Smith School of Business.* Concepts and applications of network and graph theory in linear and combinatorial models with emphasis on computational algorithms.

| | | |
|---|---|---|
| 0101 | Bruce Golden<br>Tu 7:00pm - 9:40pm | Seats (Total: 20)<br>VMH 1411 |

**BMGT834** **Operations Research: Probabilistic Models**

**BMGT834 Operations Research: Probabilistic Models; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: MATH241; and (STAT400; or students who have taken courses with comparable content may contact the department). Or permission of BMGT-Robert H. Smith School of Business.* Theoretical foundations for the construction, optimization, and applications of probabilistic models. Queuing theory, inventory theory, Markov processes, renewal theory, and stochastic linear programming.

| | | |
|---|---|---|
| 0101 | Michael Fu | Seats (Total: 22) |
| | Th 3:30pm - 6:10pm | VMH 3330H |

**BMGT838O** **Special Topics in Operations Management/Management Science; Seminar in Operations Management**

**BMGT838O Special Topics in Operations Management/Management Science: Seminar in Operations Management; (3 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Wedad Elmaghraby | Seats (Total: 8) |
| | F 10:00am - 1:30pm | VMH 4534 |

**BMGT838R** **Special Topics in Operations Management/Management Science; Research Seminar in Decision, Operations and Information Technologies**

**BMGT838R Special Topics in Operations Management/Management Science: Research Seminar in Decision, Operations and Information Technologies; (1 credit)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Wedad Elmaghraby | Seats (Total: 15) |
| | F 2:00pm - 3:30pm | VMH 1335 |

**BMGT843** **Seminar in Portfolio Theory**

**BMGT843 Seminar in Portfolio Theory; (3 credits)** Grade Method: REG/AUD. *Prerequisite: Permission of BMGT-Robert H. Smith School of Business.* Seminar in selected classic and current theoretical and empirical research in portfolio theory.

| | | |
|---|---|---|
| 0101 | Mark Loewenstein | Seats (Total: 12) |
| | Tu 2:00pm - 4:40pm | VMH 3330H |

**BMGT848B** **Special Topics in Finance; Financial Research Methods**

**BMGT848B Special Topics in Finance: Financial Research Methods; (1 credit)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Russell Wermers | Seats (Total: 12) |
| | F 2:30pm - 4:30pm | Location: TBA |

**BMGT848K** **Special Topics in Finance; Seminar in Public Policy Perspectives of Finance**

**BMGT848K Special Topics in Finance: Seminar in Public Policy Perspectives of Finance; (3 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Lemma Senbet<br>M 12:00pm - 2:40pm | Seats (Total: 12)<br>VMH 4335 |

**BMGT848R** **Special Topics in Finance; Workshop in Finance Research**

**BMGT848R Special Topics in Finance: Workshop in Finance Research; (1 credit)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Instructor: TBA<br>F 9:00am - 12:00pm | Seats (Total: 12)<br>VMH 1333 |

**BMGT858M** **Special Topics in Marketing; Seminar in Mobile Marketing**

**BMGT858M Special Topics in Marketing: Seminar in Mobile Marketing; (2 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Jie Zhang<br>**Meets March 25, 2013 - May 9, 2013**<br>Tu 1:00pm - 4:30pm | Seats (Total: 12)<br><br>VMH 3440 |

**BMGT858R** **Special Topics in Marketing; Marketing Research Seminar**

**BMGT858R Special Topics in Marketing: Marketing Research Seminar; (1 credit)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Tao Chen<br>F 10:00am - 12:30pm | Seats (Total: 16)<br>VMH 1335 |

**BMGT868C** **Special Topics in Organizational Behavior/Human Resource Management; Career and Professionalization Workshop in Management and Organization**

**BMGT868C Special Topics in Organizational Behavior/Human Resource Management: Career and Professionalization Workshop in Management and Organization; (1 credit)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Instructor: TBA<br>F 10:00am - 12:00pm | Seats (Total: 30)<br>VMH 1330 |

**BMGT868M** **Special Topics in Organizational Behavior/Human Resource Management; Multilevel Analysis Workshop**

**BMGT868M Special Topics in Organizational Behavior/Human Resource Management: Multilevel Analysis Workshop; (1 credit)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Hui Liao | Seats (Total: 12) |
| | **Meets February 19, 2013 - March 12, 2013** | |
| | Tu 10:00am - 1:00pm | VMH 4534 |
| | *Meets 2/19, 2/26, 3/5, 3/12.* | |

**BMGT868N** **Special Topics in Organizational Behavior/Human Resource Management; Network Analysis Workshop**

**BMGT868N Special Topics in Organizational Behavior/Human Resource Management: Network Analysis Workshop; (1 credit)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Vijaya Venkataramani | Seats (Total: 12) |
| | **Meets March 26, 2013 - April 16, 2013** | |
| | Tu 10:00am - 1:00pm | VMH 4534 |
| | *Meets 3/26, 4/2, 4/9, 4/16.* | |

**BMGT868O** **Special Topics in Organizational Behavior/Human Resource Management; Organizational Behavior Foundation**

**BMGT868O Special Topics in Organizational Behavior/Human Resource Management: Organizational Behavior Foundation; (2 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Subrahmaniam Tangirala | Seats (Total: 12) |
| | **Meets January 28, 2013 - March 4, 2013** | |
| | M 10:00am - 2:10pm | VMH 4534 |
| | *Meets 1/28, 2/4, 2/1, 2/18, 2/25, 3/4.* | |

**BMGT868P** **Special Topics in Organizational Behavior/Human Resource Management; Organizational Behavior and Human Resource Management Presentations**

**BMGT868P Special Topics in Organizational Behavior/Human Resource Management: Organizational Behavior and Human Resource Management Presentations; (1 credit)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Hui Liao | Seats (Total: 10) |
| | Th 12:00pm - 1:30pm | VMH 2330 |

**BMGT868T** **Special Topics in Organizational Behavior/Human Resource Management; Seminar on Teams**

**BMGT868T Special Topics in Organizational Behavior/Human Resource Management: Seminar on Teams; (2 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Gilad Chen | Seats (Total: 12) |
| | **Meets January 23, 2013 - March 6, 2013** | |
| | W 9:00am - 12:35pm | VMH 4534 |

**BMGT878C** **Special Topics in Strategic Management and Entrepreneurship; Cross Discilpinary Workshop in Strategy and Entrepreneurship**

**BMGT878C Special Topics in Strategic Management and Entrepreneurship: Cross Discilpinary Workshop in Strategy and Entrepreneurship; (1 credit)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | David Waguespack, Yue Zhou | Seats (Total: 13) |
| | Th 10:00am - 11:30am | VMH 2509 |

**BMGT878E** **Special Topics in Strategic Management and Entrepreneurship; Overview of Strategy and Entrepreneurship**

**BMGT878E Special Topics in Strategic Management and Entrepreneurship: Overview of Strategy and Entrepreneurship; (2 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | David Kirsch, Rajshree Tronetti | Seats (Total: 12) |
| | **Meets January 23, 2013 - March 15, 2013** | |
| | W 1:00pm - 4:30pm | VMH 4534 |

**BMGT878I** **Special Topics in Strategic Management and Entrepreneurship; Innovation and Entrepreneurship**

**BMGT878I Special Topics in Strategic Management and Entrepreneurship: Innovation and Entrepreneurship; (2 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Rajshree Tronetti | Seats (Total: 12) |
| | **Meets March 25, 2013 - May 9, 2013** | |
| | W 1:00pm - 4:35pm | VMH 4534 |

**BMGT878P** **Special Topics in Strategic Management and Entrepreneurship; Strategy and Entrepreneurship PhD Presentations**

**BMGT878P Special Topics in Strategic Management and Entrepreneurship: Strategy and Entrepreneurship PhD Presentations; (1 credit)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Rajshree Tronetti | Seats (Total: 30) |
| | Th 11:30am - 1:00pm | VMH 2505 |

**BMGT882** **Applied Multivariate Analysis I**

**BMGT882 Applied Multivariate Analysis I; (3 credits)** Grade Method: REG/AUD. *Prerequisite: ECON624, ECON621, and EDMS651; or permission of BMGT-Robert H. Smith School of Business.* Multivariate statistical methods and their use in empirical research. Topics include summarization and visualization of multivariate data, principal components, metric multidimensional scaling, canonical correlation, multivariate paired comparisons and repeated-measures designs, multivariate analysis of variance, and discriminant analysis. The maximum likelihood and likelihood ratio principles are also discussed. An important component of the course is analysis of business data using contemporary software.

| | | |
|---|---|---|
| 0101 | Francis Alt | Seats (Total: 12) |
| | W 8:30am - 11:10am | VMH 3330H |

**BMGT888B** **Special Topics in Supply Chain Management; Behavioral Research in Supply Chain Management**

**BMGT888B Special Topics in Supply Chain Management: Behavioral Research in Supply Chain Management; (2 credits)** Grade Method: REG.

| | | |
|---|---|---|
| 0101 | Stephanie Eckerd | Seats (Total: 12) |
| | **Meets March 25, 2013 - May 19, 2013** | |
| | M 1:00pm - 4:30pm | VMH 3330H |

**BMGT888I** **Special Topics in Supply Chain Management; Industrial Organization Economics**

**BMGT888I Special Topics in Supply Chain Management: Industrial Organization Economics; (2 credits)** Grade Method: REG.

| | | |
|---|---|---|
| 0101 | Curtis Grimm | Seats (Total: 12) |
| | **Meets January 23, 2013 - March 15, 2013** | |
| | M 1:00pm - 4:30pm | VMH 3330H |

**BMGT888W** **Special Topics in Supply Chain Management; Workshop in Supply Chain Management**

**BMGT888W Special Topics in Supply Chain Management: Workshop in Supply Chain Management; (1 credit)** Grade Method: REG.

| | | |
|---|---|---|
| 0101 | Stephanie Eckerd | Seats (Total: 10) |
| | Tu 9:00am - 10:30am | VMH 2509 |

**BMGT898** **Pre-Candidacy Research**

**BMGT898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**BMGT899** **Doctoral Dissertation Research**

**BMGT899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# BSCI Biological Sciences Program Spring 2013

**BSCI103** **The World of Biology**

BSCI courses are offered by the Biological Science Program and individual College of Computer, Mathematical and Natural Sciences departments, as indicated.
The sponsoring department for each course is provided in the course listing. Consult the sponsoring department if you have questions about an individual course (sponsoring departments BIOL - Department of Biology, 2227 Biol-Psyc Building; BSCI - Biological Sciences Program, 1322 Symons Hall; CBMG - Department of Cell Biology and Molecular Genetics, 1219 H.J. Patterson Building; ENTM - Entomology, 4112 PLS Building).
Registration in course sections which begin with "SES*" is restricted to students admitted into the Science in the Evening Program, administered through the Office of Extended Studies. For complete information, visit: http://oes.umd.edu/index.php?slab=sie, e-mail oes@umd.edu , or call 301-405-7762.
The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to consult the instructor prior to course enrollment to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required, and what alternatives, if any, are available.
The College of Computer, Mathematical, and Natural Sciences enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.
**BSCI103 The World of Biology; (4 credits)** Grade Method: REG. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab.
An introduction to modern biology for the non-science major. Major themes include molecular biology, cell biology, evolution and organismal biology. Relevance of study of biology to modern human life will be emphasized. Course not acceptable toward degree in College of Chemical and Life Sciences. (Sponsoring Dept.: BSCI). Students must pay a $40.00 lab materials fee.

| | | | |
|---|---|---|---|
| 1100 | Tammatha O'Brien, Michael Raupp<br>TuTh 12:30pm - 1:45pm<br>M 8:00am - 10:50am | Seats (Total: 23)<br>CHM 1407<br>HJP 3239 | <br><br>Lab |
| 1101 | Tammatha O'Brien, Michael Raupp<br>TuTh 12:30pm - 1:45pm<br>M 11:00am - 1:50pm | Seats (Total: 23)<br>CHM 1407<br>HJP 3239 | <br><br>Lab |
| 1103 | Michael Raupp, Tammatha O'Brien<br>TuTh 12:30pm - 1:45pm<br>M 2:00pm - 4:50pm | Seats (Total: 23)<br>CHM 1407<br>HJP 3239 | <br><br>Lab |

| | | | |
|---|---|---|---|
| 1105 | Michael Raupp, Tammatha O'Brien<br>TuTh 12:30pm - 1:45pm<br>M 5:00pm - 7:50pm | Seats (Total: 23)<br>CHM 1407<br>HJP 3239 | <br><br>Lab |
| 1107 | Tammatha O'Brien, Michael Raupp<br>TuTh 12:30pm - 1:45pm<br>Tu 8:00am - 10:50am | Seats (Total: 23)<br>CHM 1407<br>HJP 3239 | <br><br>Lab |
| 1108 | Michael Raupp, Tammatha O'Brien<br>TuTh 12:30pm - 1:45pm<br>Tu 2:00pm - 4:50pm | Seats (Total: 23)<br>CHM 1407<br>HJP 3239 | <br><br>Lab |

**BSCI103M** **The World of Biology**

**BSCI103M** *(PermReq)* **The World of Biology; (4 credits)** Grade Method: REG. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab.
An introduction to modern biology for the non-science major. Major themes include molecular biology, cell biology, evolution and organismal biology. Relevance of study of biology to modern human life will be emphasized. Course not acceptable toward degree in College of Chemical and Life Sciences. (Sponsoring Dept.: BSCI). Must be taken within 12 months of the semester in which BSCI 103 is taken. A student is eligible to take this course only if the lab scores received in BSCI 103 the last time it was taken totalled at least 80 percent of the maximum possible total. These scores will count for part of the grade in BSCI 103M.

| | | |
|---|---|---|
| 0101 | Michael Raupp<br>TuTh 12:30pm - 1:45pm | Seats (Total: 5)<br>CHM 1407 |

**BSCI105** **Principles of Biology I**

**BSCI105 Principles of Biology I; (4 credits)** Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab.
*Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Recommended: For Science majors.* Basic principles of biology with special emphasis on cellular and molecular biology. (Sponsoring Dept.: BSCI) Students must pay a $40.00 lab materials fee.

| | | | |
|---|---|---|---|
| 5110 | Judd Nelson<br>MWF 9:00am - 9:50am<br>M 11:00am - 1:50pm | Seats (Total: 23)<br>HJP 0226<br>HJP 1226 | <br><br>Lab |
| 5113 | Judd Nelson<br>MWF 9:00am - 9:50am<br>M 11:00am - 1:50pm | Seats (Total: 23)<br>HJP 0226<br>HJP 1229 | <br><br>Lab |
| 5121 | Judd Nelson<br>MWF 9:00am - 9:50am<br>Tu 8:00am - 10:50am | Seats (Total: 23)<br>HJP 0226<br>HJP 1235 | <br><br>Lab |
| 5122 | Judd Nelson<br>MWF 9:00am - 9:50am<br>Tu 8:00am - 10:50am | Seats (Total: 23)<br>HJP 0226<br>HJP 1236 | <br><br>Lab |
| 5134 | Judd Nelson<br>MWF 9:00am - 9:50am<br>Tu 6:00pm - 8:50pm | Seats (Total: 23)<br>HJP 0226<br>HJP 1226 | <br><br>Lab |
| 5136 | Judd Nelson<br>MWF 9:00am - 9:50am<br>Tu 6:00pm - 8:50pm | Seats (Total: 23)<br>HJP 0226<br>HJP 1235 | <br><br>Lab |
| 5145 | Judd Nelson<br>MWF 9:00am - 9:50am<br>W 11:00am - 1:50pm | Seats (Total: 23)<br>HJP 0226<br>HJP 1235 | <br><br>Lab |
| 5146 | Judd Nelson<br>MWF 9:00am - 9:50am<br>W 11:00am - 1:50pm | Seats (Total: 23)<br>HJP 0226<br>HJP 1236 | <br><br>Lab |
| 5160 | Judd Nelson<br>MWF 9:00am - 9:50am<br>Th 8:00am - 10:50am | Seats (Total: 23)<br>HJP 0226<br>HJP 1226 | <br><br>Lab |
| 5164 | Judd Nelson<br>MWF 9:00am - 9:50am<br>Th 11:00am - 1:50pm | Seats (Total: 23)<br>HJP 0226<br>HJP 1226 | <br><br>Lab |

| | | | |
|---|---|---|---|
| 5315 | Patricia Shields<br>MWF 1:00pm - 1:50pm<br>M 2:00pm - 4:50pm | Seats (Total: 23)<br>BRB 1101<br>HJP 1235 | <br><br>Lab |
| 5323 | Patricia Shields<br>MWF 1:00pm - 1:50pm<br>Tu 8:00am - 10:50am | Seats (Total: 23)<br>BRB 1101<br>HJP 1229 | <br><br>Lab |
| 5325 | Patricia Shields<br>MWF 1:00pm - 1:50pm<br>Tu 11:00am - 1:50pm | Seats (Total: 23)<br>BRB 1101<br>HJP 1235 | <br><br>Lab |
| 5326 | Patricia Shields<br>MWF 1:00pm - 1:50pm<br>Tu 11:00am - 1:50pm | Seats (Total: 23)<br>BRB 1101<br>HJP 1236 | <br><br>Lab |
| 5331 | Patricia Shields<br>MWF 1:00pm - 1:50pm<br>Tu 2:00pm - 4:50pm | Seats (Total: 23)<br>BRB 1101<br>HJP 1235 | <br><br>Lab |
| 5342 | Patricia Shields<br>MWF 1:00pm - 1:50pm<br>W 8:00am - 10:50am | Seats (Total: 23)<br>BRB 1101<br>HJP 1236 | <br><br>Lab |
| 5351 | Patricia Shields<br>MWF 1:00pm - 1:50pm<br>W 2:00pm - 4:50pm | Seats (Total: 23)<br>BRB 1101<br>HJP 1235 | <br><br>Lab |
| 5354 | Patricia Shields<br>MWF 1:00pm - 1:50pm<br>W 6:00pm - 8:50pm | Seats (Total: 23)<br>BRB 1101<br>HJP 1226 | <br><br>Lab |
| 5361 | Patricia Shields<br>MWF 1:00pm - 1:50pm<br>Th 8:00am - 10:50am | Seats (Total: 23)<br>BRB 1101<br>HJP 1235 | <br><br>Lab |
| 5365 | Patricia Shields<br>MWF 1:00pm - 1:50pm<br>Th 11:00am - 1:50pm | Seats (Total: 23)<br>BRB 1101<br>HJP 1235 | <br><br>Lab |

| | | | |
|---|---|---|---|
| 5370 | Patricia Shields<br>MWF 1:00pm - 1:50pm<br>Th 2:00pm - 4:50pm | Seats (Total: 23)<br>BRB 1101<br>HJP 1226 | Lab |
| 5372 | Patricia Shields<br>MWF 1:00pm - 1:50pm<br>Th 2:00pm - 4:50pm | Seats (Total: 23)<br>BRB 1101<br>HJP 1236 | Lab |
| 5416 | Kenneth Frauwirth, Norma Allewell<br>TuTh 9:30am - 10:45am<br>M 2:00pm - 4:50pm | Seats (Total: 23)<br>HJP 0226<br>HJP 1236 | Lab |
| 5427 | Kenneth Frauwirth, Norma Allewell<br>TuTh 9:30am - 10:45am<br>Tu 11:00am - 1:50pm | Seats (Total: 23)<br>HJP 0226<br>HJP 1229 | Lab |
| 5432 | Kenneth Frauwirth, Norma Allewell<br>TuTh 9:30am - 10:45am<br>Tu 2:00pm - 4:50pm | Seats (Total: 23)<br>HJP 0226<br>HJP 1236 | Lab |
| 5433 | Kenneth Frauwirth, Norma Allewell<br>TuTh 9:30am - 10:45am<br>Tu 2:00pm - 4:50pm | Seats (Total: 23)<br>HJP 0226<br>HJP 1229 | Lab |
| 5444 | Kenneth Frauwirth, Norma Allewell<br>TuTh 9:30am - 10:45am<br>W 11:00am - 1:50pm | Seats (Total: 23)<br>HJP 0226<br>HJP 1226 | Lab |
| 5450 | Norma Allewell, Kenneth Frauwirth<br>TuTh 9:30am - 10:45am<br>W 2:00pm - 4:50pm | Seats (Total: 23)<br>HJP 0226<br>HJP 1226 | Lab |
| 5473 | Kenneth Frauwirth, Norma Allewell<br>TuTh 9:30am - 10:45am<br>Th 2:00pm - 4:50pm | Seats (Total: 23)<br>HJP 0226<br>HJP 1229 | Lab |

| | | | |
|---|---|---|---|
| SES1 | James Sniezek<br>Tu 6:00pm - 8:50pm<br>Th 6:00pm - 9:00pm | Seats (Total: 20)<br>PLS 1130<br>HJP 1226 | <br><br>Lab |
| | *This section is restricted to students who enroll through the Science i the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.* | | |

**BSCI105C** **Principles of Biology I**

**BSCI105C Principles of Biology I; (4 credits)** Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab. *Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Recommended: For Science majors.* Basic principles of biology with special emphasis on cellular and molecular biology. For BSCI, BCHM, and CHEM majors only.

| | | | |
|---|---|---|---|
| 5212 | Anne Simon<br>MWF 10:00am - 10:50am<br>M 11:00am - 1:50pm | Seats (Total: 23)<br>HJP 0226<br>HJP 1236 | <br><br>Lab |
| 5237 | Anne Simon<br>MWF 10:00am - 10:50am<br>Tu 6:00pm - 8:50pm | Seats (Total: 23)<br>HJP 0226<br>HJP 1236 | <br><br>Lab |
| 5252 | Anne Simon<br>MWF 10:00am - 10:50am<br>W 2:00pm - 4:50pm | Seats (Total: 23)<br>HJP 0226<br>HJP 1236 | <br><br>Lab |
| 5267 | Anne Simon<br>MWF 10:00am - 10:50am<br>Th 11:00am - 1:50pm | Seats (Total: 23)<br>HJP 0226<br>HJP 1229 | <br><br>Lab |

**BSCI105M** **Principles of Biology I**

**BSCI105M** *(PermReq)* **Principles of Biology I; (4 credits)** Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab.
*Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Recommended: For Science majors.* Basic principles of biology with special emphasis on cellular and molecular biology. (Sponsoring Dept.: BSCI). Must be taken within twelve months of the semester in which BSCI 105 is taken. A student is eligible to take this course only if the lab scores received in BSCI 105 the last time it was taken, totalled at least 80 percent of the maximum possible total. These scores will count for part of the grade in BSCI 105M.

| | | | |
|---|---|---|---|
| 5191 | Judd Nelson<br>MWF 9:00am - 9:50am | Seats (Total: 5)<br>HJP 0226 | |
| 5292 | Anne Simon<br>MWF 10:00am - 10:50am | Seats (Total: 5)<br>HJP 0226 | |
| 5393 | Patricia Shields<br>MWF 1:00pm - 1:50pm | Seats (Total: 5)<br>BRB 1101 | |
| 5494 | Norma Allewell<br>TuTh 9:30am - 10:45am | Seats (Total: 5)<br>HJP 0226 | |

**BSCI105S** **Principles of Biology I**

**BSCI105S Principles of Biology I; (4 credits)** Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab.
*Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Recommended: For Science majors.* Basic principles of biology with special emphasis on cellular and molecular biology. (Sponsoring Dept.: BSCI) Students must pay a $40.00 lab materials fee.

| | | | |
|---|---|---|---|
| 5230 | Anne Simon<br>MWF 10:00am - 10:50am<br>Tu 2:00pm - 4:50pm | Seats (Total: 23)<br>BRB 1101<br>HJP 1226 | <br><br>Lab |
| 5271 | Anne Simon<br>MWF 10:00am - 10:50am<br>Th 2:00pm - 4:50pm | Seats (Total: 23)<br>BRB 1101<br>HJP 1235 | <br><br>Lab |

**BSCI105U** **Principles of Biology I**

**Contact department for information to register for this course.**

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**BSCI106** **Principles of Biology II**

**BSCI106 Principles of Biology II; (4 credits)** Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab. *Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Restriction: For science majors.* Basic principles of biology with special emphasis on organismal, ecological and evolutionary biology. (Sponsoring Dept.: BSCI). Students must pay a $40.00 lab materials fee.

| | | | |
|---|---|---|---|
| 6115 | Francisca Saavedra<br>MWF 1:00pm - 1:50pm<br>M 10:00am - 12:50pm | Seats (Total: 23)<br>HJP 0226<br>HJP 3217 | <br><br>Lab |
| 6131 | Francisca Saavedra<br>MWF 1:00pm - 1:50pm<br>Tu 8:00am - 10:50am | Seats (Total: 23)<br>HJP 0226<br>HJP 3211 | <br><br>Lab |
| 6135 | Francisca Saavedra<br>MWF 1:00pm - 1:50pm<br>Tu 11:00am - 1:50pm | Seats (Total: 23)<br>HJP 0226<br>HJP 3217 | <br><br>Lab |
| 6142 | Francisca Saavedra<br>MWF 1:00pm - 1:50pm<br>Tu 2:00pm - 4:50pm | Seats (Total: 23)<br>HJP 0226<br>HJP 3217 | <br><br>Lab |
| 6144 | Francisca Saavedra<br>MWF 1:00pm - 1:50pm<br>Tu 5:00pm - 7:50pm | Seats (Total: 23)<br>HJP 0226<br>HJP 3211 | <br><br>Lab |
| 6162 | Francisca Saavedra<br>MWF 1:00pm - 1:50pm<br>W 2:00pm - 4:50pm | Seats (Total: 23)<br>HJP 0226<br>HJP 3217 | <br><br>Lab |
| 6174 | Francisca Saavedra<br>MWF 1:00pm - 1:50pm<br>Th 11:00am - 1:50pm | Seats (Total: 23)<br>HJP 0226<br>HJP 3211 | <br><br>Lab |

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|---|---|---|---|
| 6214 | David Inouye<br>TuTh 12:30pm - 1:45pm<br>M 10:00am - 12:50pm | Seats (Total: 23)<br>BRB 1101<br>HJP 3211 | <br><br>Lab |
| 6224 | David Inouye<br>TuTh 12:30pm - 1:45pm<br>M 3:00pm - 5:50pm | Seats (Total: 23)<br>BRB 1101<br>HJP 3211 | <br><br>Lab |
| 6241 | David Inouye<br>TuTh 12:30pm - 1:45pm<br>Tu 2:00pm - 4:50pm | Seats (Total: 23)<br>BRB 1101<br>HJP 3211 | <br><br>Lab |
| 6245 | David Inouye<br>TuTh 12:30pm - 1:45pm<br>Tu 5:00pm - 7:50pm | Seats (Total: 23)<br>BRB 1101<br>HJP 3217 | <br><br>Lab |
| 6254 | David Inouye<br>TuTh 12:30pm - 1:45pm<br>W 11:00am - 1:50pm | Seats (Total: 23)<br>BRB 1101<br>HJP 3211 | <br><br>Lab |
| 6255 | David Inouye<br>TuTh 12:30pm - 1:45pm<br>W 10:00am - 12:50pm | Seats (Total: 23)<br>BRB 1101<br>HJP 3217 | <br><br>Lab |
| 6264 | David Inouye<br>TuTh 12:30pm - 1:45pm<br>W 5:00pm - 7:50pm | Seats (Total: 23)<br>BRB 1101<br>HJP 3211 | <br><br>Lab |
| 6281 | David Inouye<br>TuTh 12:30pm - 1:45pm<br>Th 2:00pm - 4:50pm | Seats (Total: 23)<br>BRB 1101<br>HJP 3211 | <br><br>Lab |
| 6282 | David Inouye<br>TuTh 12:30pm - 1:45pm<br>Th 2:00pm - 4:50pm | Seats (Total: 23)<br>BRB 1101<br>HJP 3217 | <br><br>Lab |
| 6284 | David Inouye<br>TuTh 12:30pm - 1:45pm<br>Th 5:00pm - 7:50pm | Seats (Total: 23)<br>BRB 1101<br>HJP 3211 | <br><br>Lab |

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|---|---|---|---|
| SES1 | Marcia Shofner<br>Tu 6:00pm - 8:50pm<br>Th 6:00pm - 8:50pm | Seats (Total: 20)<br>PLS 1119<br>HJP 3217 | <br><br>Lab |
| | *This section is restricted to students who enroll through the Science i the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.* | | |

**BSCI106M** **Principles of Biology II**

**BSCI106M** *(PermReq)* **Principles of Biology II; (4 credits)** Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab.
*Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Restriction: For science majors.* Basic principles of biology with special emphasis on organismal, ecological and evolutionary biology. (Sponsoring Dept.: BSCI). Must be taken within twelve months of the semester in which BSCI 106 is taken. A student is eligible to take this course only if the lab scores received in BSCI 106 the last time it was taken, totalled at least 80 percent of the maximum possible total. These scores will count for part of the grade in BSCI 106M.

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|---|---|---|---|
| 6140 | Francisca Saavedra<br>MWF 1:00pm - 1:50pm | Seats (Total: 3)<br>HJP 0226 | |
| 6240 | David Inouye<br>TuTh 12:30pm - 1:45pm | Seats (Total: 3)<br>BRB 1101 | |

**BSCI120** **Insects**

**BSCI120 Insects; (3 credits)** Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. GenEd: Distributive Studies - Natural Sciences.
A survey of the major groups of insects, their natural history, and their relationships with humans and their environment. Course not acceptable toward major requirements in Biological Sciences, Chemistry or Biochemistry. (Sponsoring Dept.: ENTM)

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| 0101 | Earlene Armstrong<br>TuTh 2:00pm - 2:50pm<br>Th 12:00pm - 12:50pm | Seats (Total: 24)<br>JMP 3201<br>PLS 1161 | <br><br>Discussion |

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|---|---|---|---|
| 0102 | Earlene Armstrong<br>TuTh 2:00pm - 2:50pm<br>Th 1:00pm - 1:50pm | Seats (Total: 24)<br>JMP 3201<br>PLS 1161 | <br><br>Discussion |
| 0105 | Earlene Armstrong<br>TuTh 2:00pm - 2:50pm<br>Th 3:00pm - 3:50pm | Seats (Total: 24)<br>JMP 3201<br>PLS 1161 | <br><br>Discussion |

**BSCI124** **Plant Biology for Non-Science Students**

**BSCI124 Plant Biology for Non-Science Students; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab(if taken with BSCI125).
*Restriction: For non-science majors only; and must not have completed BSCI105. Additional information: CORE Life Sciences Lab (LL) Course only when taken concurrently with BSCI 125.* A basic course in plant biology specifically designed for the non-science student. Emphasis is placed on an evolutionary and ecological approach to studying fundamental concepts and processes of plants, their place in the biosphere, the importance of plants to man, and the manner in which humans impact on plants and their environment. This course will not count toward graduation requirements for any student in Biological Sciences, Chemistry, Biochemistry or the College of Agriculture and Natural Resources. (Sponsoring Dept.: CBMG). CORE Life Sciences Lab (LL) Course only when taken concurrently with BSCI125.

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| 1001 | Edgar Moctezuma<br>TuTh 11:00am - 12:15pm | Seats (Total: 220)<br>HJP 0226 | |

**BSCI125** **Plant Biology Laboratory**

**BSCI125 Plant Biology Laboratory; (1 credit)** Grade Method: REG/P-F/AUD. *Corequisite: BSCI124. Restriction: For non-science majors only; and must not have completed BSCI105. Credit only granted for: BSCI105 or BSCI125. Additional information: CORE Life Sciences Lab (LL) Course only when taken concurrently with BSCI 125.* An introduction to the biology of plants with emphasis on the processes by which plants function, the diversity of plants, and the importance of plants to humans. This course will not count toward graduation requirements for any student in Biological Sciences, Chemistry, Biochemistry or the College of Agriculture and Natural Resources. CORE Lab Science. (Sponsoring Dept.: CBMG). CORE Life Sciences Lab (LL) Course only when taken concurrently with BSCI 124. Students must pay a $40.00 laboratory materials fee.

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|---|---|---|---|
| 1104 | Edgar Moctezuma<br>M 12:00pm - 2:00pm | Seats (Total: 24)<br>HJP 3237 | Lab |
| 1106 | Edgar Moctezuma<br>M 3:00pm - 5:00pm | Seats (Total: 24)<br>HJP 3237 | Lab |
| 1108 | Edgar Moctezuma<br>Tu 12:30pm - 2:30pm | Seats (Total: 24)<br>HJP 3237 | Lab |
| 1110 | Edgar Moctezuma<br>Tu 3:30pm - 5:30pm | Seats (Total: 24)<br>HJP 3237 | Lab |
| 1112 | Edgar Moctezuma<br>W 9:00am - 11:00am | Seats (Total: 24)<br>HJP 3237 | Lab |
| 1114 | Edgar Moctezuma<br>W 12:00pm - 2:00pm | Seats (Total: 24)<br>HJP 3237 | Lab |
| 1116 | Edgar Moctezuma<br>W 3:00pm - 5:00pm | Seats (Total: 24)<br>HJP 3237 | Lab |
| 1118 | Edgar Moctezuma<br>Th 12:30pm - 2:30pm | Seats (Total: 24)<br>HJP 3237 | Lab |
| 1120 | Edgar Moctezuma<br>Th 3:30pm - 5:30pm | Seats (Total: 24)<br>HJP 3237 | Lab |

**BSCI201** **Human Anatomy and Physiology I**

**BSCI201 Human Anatomy and Physiology I; (4 credits)** Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab.
*Prerequisite: BSCI105; or students who have taken courses with comparable content may contact the department.* Anatomy and physiology of the skeletal, muscular, neural, endocrine, and sensory systems. Course not acceptable toward major requirements in Biological Sciences, Chemistry or Biochemistry. (Sponsoring Dept.: BIOL). Students must pay a $40.00 laboratory materials fee.

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| 0101 | Justicia Opoku-Edusei<br>MWF 12:00pm - 12:50pm<br>M 9:00am - 11:50am | Seats (Total: 24)<br>BRB 1101<br>BPS 0205 | Lab |
| 0102 | Justicia Opoku-Edusei<br>MWF 12:00pm - 12:50pm<br>M 1:00pm - 3:50pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0205 | Lab |
| 0103 | Justicia Opoku-Edusei<br>MWF 12:00pm - 12:50pm<br>M 4:00pm - 6:50pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0205 | Lab |
| 0104 | Justicia Opoku-Edusei<br>MWF 12:00pm - 12:50pm<br>Tu 8:00am - 10:50am | Seats (Total: 24)<br>BRB 1101<br>BPS 0205 | Lab |
| 0105 | Justicia Opoku-Edusei<br>MWF 12:00pm - 12:50pm<br>Tu 11:00am - 1:50pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0205 | Lab |
| 0106 | Justicia Opoku-Edusei<br>MWF 12:00pm - 12:50pm<br>Tu 2:00pm - 4:50pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0205 | Lab |
| 0107 | Justicia Opoku-Edusei<br>MWF 12:00pm - 12:50pm<br>W 9:00am - 11:50am | Seats (Total: 24)<br>BRB 1101<br>BPS 0205 | Lab |
| 0108 | Justicia Opoku-Edusei<br>MWF 12:00pm - 12:50pm<br>W 1:00pm - 3:50pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0205 | Lab |

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|---|---|---|---|
| 0109 | Justicia Opoku-Edusei<br>MWF 12:00pm - 12:50pm<br>W 4:00pm - 6:50pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0205 | <br><br>Lab |
| 0110 | Justicia Opoku-Edusei<br>MWF 12:00pm - 12:50pm<br>Th 8:00am - 10:50am | Seats (Total: 24)<br>BRB 1101<br>BPS 0205 | <br><br>Lab |
| 0111 | Justicia Opoku-Edusei<br>MWF 12:00pm - 12:50pm<br>Th 11:00am - 1:50pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0205 | <br><br>Lab |
| 0112 | Justicia Opoku-Edusei<br>MWF 12:00pm - 12:50pm<br>Th 2:00pm - 4:50pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0205 | <br><br>Lab |
| 0113 | Justicia Opoku-Edusei<br>MWF 12:00pm - 12:50pm<br>Th 6:00pm - 8:50pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0205 | <br><br>Lab |
| 0114 | Justicia Opoku-Edusei<br>MWF 12:00pm - 12:50pm<br>F 9:00am - 11:50am | Seats (Total: 24)<br>BRB 1101<br>BPS 0205 | <br><br>Lab |
| 0115 | Justicia Opoku-Edusei<br>MWF 12:00pm - 12:50pm<br>M 7:00pm - 9:50pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0205 | <br><br>Lab |
| 0116 | Justicia Opoku-Edusei<br>MWF 12:00pm - 12:50pm<br>W 7:00pm - 9:50pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0205 | <br><br>Lab |
| SES1 | Justicia Opoku-Edusei<br>Th 6:00pm - 8:50pm<br>Tu 6:00pm - 8:50pm<br>*This section is restricted to students who enroll through the Science i the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.* | Seats (Total: 24)<br>BPS 1250<br>BPS 0205 | <br><br>Lab |

**BSCI202 Human Anatomy and Physiology II**

**BSCI202 Human Anatomy and Physiology II; (4 credits)** Grade Method: REG/P-F/AUD.

*Prerequisite: BSCI201; or permission of CMNS-Biology department.* Anatomy and physiology of the cardiovascular, respiratory, immune, digestive, urinary and reproductive systems. Course not acceptable toward major requirements in Biological Sciences, Chemistry or Biochemistry. (Sponsoring Dept.: BIOL). Students must pay a $40.00 lab materials fee.

| | | | |
|---|---|---|---|
| 0101 | Tammatha O'Brien<br>TuTh 8:00am - 9:15am<br>M 8:00am - 10:50am | Seats (Total: 24)<br>BRB 1101<br>BPS 0201 | <br><br>Lab |
| 0102 | Tammatha O'Brien<br>TuTh 8:00am - 9:15am<br>M 11:00am - 1:50pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0201 | <br><br>Lab |
| 0103 | Tammatha O'Brien<br>TuTh 8:00am - 9:15am<br>M 2:00pm - 4:50pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0201 | <br><br>Lab |
| 0104 | Tammatha O'Brien<br>TuTh 8:00am - 9:15am<br>M 5:00pm - 7:50pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0201 | <br><br>Lab |
| 0105 | Tammatha O'Brien<br>TuTh 8:00am - 9:15am<br>Tu 9:30am - 12:20pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0201 | <br><br>Lab |
| 0106 | Tammatha O'Brien<br>TuTh 8:00am - 9:15am<br>Tu 12:30pm - 3:20pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0201 | <br><br>Lab |
| 0107 | Tammatha O'Brien<br>TuTh 8:00am - 9:15am<br>Tu 3:30pm - 6:20pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0201 | <br><br>Lab |
| 0108 | Tammatha O'Brien<br>TuTh 8:00am - 9:15am<br>Tu 6:30pm - 9:20pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0201 | <br><br>Lab |

| | | | |
|---|---|---|---|
| 0109 | Tammatha O'Brien<br>TuTh 8:00am - 9:15am<br>W 8:00am - 10:50am | Seats (Total: 24)<br>BRB 1101<br>BPS 0201 | Lab |
| 0110 | Tammatha O'Brien<br>TuTh 8:00am - 9:15am<br>W 11:00am - 1:50pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0201 | Lab |
| 0111 | Tammatha O'Brien<br>TuTh 8:00am - 9:15am<br>W 2:00pm - 4:50pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0201 | Lab |
| 0112 | Tammatha O'Brien<br>TuTh 8:00am - 9:15am<br>W 5:00pm - 7:50pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0201 | Lab |
| 0113 | Tammatha O'Brien<br>TuTh 8:00am - 9:15am<br>Th 9:30am - 12:20pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0201 | Lab |
| 0114 | Tammatha O'Brien<br>TuTh 8:00am - 9:15am<br>Th 5:00pm - 7:50pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0201 | Lab |
| 0117 | Tammatha O'Brien<br>TuTh 8:00am - 9:15am<br>F 11:00am - 1:50pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0201 | Lab |

**BSCI207** **Principles of Biology III - Organismal Biology**

**BSCI207 Principles of Biology III - Organismal Biology; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: BSCI106 and BSCI105; and must have completed or be concurrently enrolled in CHEM131 or CHEM103.* The diversity, structure and function of organisms as understood from the perspective of their common physicochemical principles and unique evolutionary histories. (Sponsoring Dept.: BSCI).

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|---|---|---|---|
| 0101 | Todd Cooke<br>MWF 9:00am - 9:50am | Seats (Total: 90)<br>PLS 1140 | |

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| 0201 | Jeffrey Firestone, Bretton Kent<br>MWF 11:00am - 11:50am | Seats (Total: 210)<br>BRB 1101 | |

**BSCI222** **Principles of Genetics**

**BSCI222 Principles of Genetics; (4 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: CHEM131, CHEM132, BSCI106, and BSCI105. Or BSCI105; and must have completed two semesters of chemistry.* Principles and mechanisms of heredity and gene expression. Considers plant, animal, and microbial organisms. (Sponsoring Dept.: BSCI).

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|---|---|---|---|
| 7106 | David Straney<br>MWF 10:00am - 10:50am<br>M 11:00am - 12:50pm | Seats (Total: 22)<br>BRB 1101<br>HJP 3233 | Discussion |
| 7108 | David Straney<br>MWF 10:00am - 10:50am<br>M 1:00pm - 2:50pm | Seats (Total: 22)<br>BRB 1101<br>HJP 3233 | Discussion |
| 7110 | David Straney<br>MWF 10:00am - 10:50am<br>M 3:00pm - 4:50pm | Seats (Total: 22)<br>BRB 1101<br>HJP 3233 | Discussion |
| 7112 | David Straney<br>MWF 10:00am - 10:50am<br>M 5:00pm - 6:50pm | Seats (Total: 22)<br>BRB 1101<br>HJP 3233 | Discussion |
| 7114 | David Straney<br>MWF 10:00am - 10:50am<br>Tu 8:00am - 9:50am | Seats (Total: 22)<br>BRB 1101<br>HJP 3233 | Discussion |
| 7116 | David Straney<br>MWF 10:00am - 10:50am<br>Tu 10:00am - 11:50am | Seats (Total: 22)<br>BRB 1101<br>HJP 3233 | Discussion |
| 7118 | David Straney<br>MWF 10:00am - 10:50am<br>Tu 12:00pm - 1:50pm | Seats (Total: 22)<br>BRB 1101<br>HJP 3233 | Discussion |

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|---|---|---|---|
| 7120 | David Straney<br>MWF 10:00am - 10:50am<br>Th 4:00pm - 5:50pm | Seats (Total: 22)<br>BRB 1101<br>HJP 3233 | Discussion |
| 7124 | David Straney<br>MWF 10:00am - 10:50am<br>W 8:00am - 9:50am | Seats (Total: 22)<br>BRB 1101<br>HJP 3233 | Discussion |
| 7125 | David Straney<br>MWF 10:00am - 10:50am<br>W 6:00pm - 7:50pm | Seats (Total: 22)<br>BRB 1101<br>HJP 3233 | Discussion |
| 7126 | David Straney<br>MWF 10:00am - 10:50am<br>Th 12:00pm - 1:50pm | Seats (Total: 22)<br>BRB 1101<br>HJP 3233 | Discussion |
| 7130 | David Straney<br>MWF 10:00am - 10:50am<br>Th 2:00pm - 3:50pm | Seats (Total: 22)<br>BRB 1101<br>HJP 3233 | Discussion |
| 7210 | David O'Brochta<br>TuTh 12:30pm - 1:45pm<br>Tu 4:00pm - 5:50pm | Seats (Total: 22)<br>HJP 0226<br>HJP 3233 | Discussion |
| 7212 | David O'Brochta<br>TuTh 12:30pm - 1:45pm<br>W 10:00am - 11:50am | Seats (Total: 22)<br>HJP 0226<br>HJP 3233 | Discussion |
| 7214 | David O'Brochta<br>TuTh 12:30pm - 1:45pm<br>W 12:00pm - 1:50pm | Seats (Total: 22)<br>HJP 0226<br>HJP 3233 | Discussion |
| 7216 | David O'Brochta<br>TuTh 12:30pm - 1:45pm<br>W 2:00pm - 3:50pm | Seats (Total: 22)<br>HJP 0226<br>HJP 3233 | Discussion |
| 7218 | David O'Brochta<br>TuTh 12:30pm - 1:45pm<br>W 4:00pm - 5:50pm | Seats (Total: 22)<br>HJP 0226<br>HJP 3233 | Discussion |

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| 7220 | David O'Brochta<br>TuTh 12:30pm - 1:45pm<br>Th 8:00am - 9:50am | Seats (Total: 22)<br>HJP 0226<br>HJP 3233 | Discussion |
| 7222 | David O'Brochta<br>TuTh 12:30pm - 1:45pm<br>Th 10:00am - 11:50am | Seats (Total: 22)<br>HJP 0226<br>HJP 3233 | Discussion |
| 7224 | David O'Brochta<br>TuTh 12:30pm - 1:45pm<br>Tu 2:00pm - 3:50pm | Seats (Total: 22)<br>HJP 0226<br>HJP 3233 | Discussion |

**BSCI223** **General Microbiology**

**BSCI223 General Microbiology; (4 credits)** Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab; Signature Courses - I-Series.
*Prerequisite: BSCI105.* Fundamental concepts in morphology, physiology, genetics, immunology, ecology, and pathogenic microbiology. Applications of microbiology to medicine, the food industry and biotechnology. (Sponsoring Dept.: CBMG) Students must pay a $40.00 lab materials fee.

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| 1021 | Kevin McIver<br>TuTh 11:00am - 11:50am<br>TuTh 9:00am - 10:50am | Seats (Total: 20)<br>BRB 1101<br>MCB 1201 | Lab |
| 1026 | Kevin McIver<br>TuTh 11:00am - 11:50am<br>TuTh 9:00am - 10:50am | Seats (Total: 20)<br>BRB 1101<br>MCB 1206 | Lab |
| 1101 | Kevin McIver<br>TuTh 11:00am - 11:50am<br>MW 10:00am - 11:50am | Seats (Total: 20)<br>BRB 1101<br>MCB 1201 | Lab |
| 1105 | Kevin McIver<br>TuTh 11:00am - 11:50am<br>MW 10:00am - 11:50am | Seats (Total: 20)<br>BRB 1101<br>MCB 1205 | Lab |
| 1106 | Kevin McIver<br>TuTh 11:00am - 11:50am<br>MW 10:00am - 11:50am | Seats (Total: 20)<br>BRB 1101<br>MCB 1206 | Lab |

| | | | |
|---|---|---|---|
| 1121 | Kevin McIver<br>TuTh 11:00am - 11:50am<br>TuTh 12:00pm - 1:50pm | Seats (Total: 20)<br>BRB 1101<br>MCB 1201 | Lab |
| 1126 | Kevin McIver<br>TuTh 11:00am - 11:50am<br>TuTh 12:00pm - 1:50pm | Seats (Total: 20)<br>BRB 1101<br>MCB 1206 | Lab |
| 1201 | Kevin McIver<br>TuTh 11:00am - 11:50am<br>MW 12:00pm - 1:50pm | Seats (Total: 20)<br>BRB 1101<br>MCB 1201 | Lab |
| 1206 | Kevin McIver<br>TuTh 11:00am - 11:50am<br>MW 12:00pm - 1:50pm | Seats (Total: 20)<br>BRB 1101<br>MCB 1206 | Lab |
| 1221 | Kevin McIver<br>TuTh 11:00am - 11:50am<br>TuTh 2:00pm - 3:50pm | Seats (Total: 20)<br>BRB 1101<br>MCB 1201 | Lab |
| 1226 | Kevin McIver<br>TuTh 11:00am - 11:50am<br>TuTh 2:00pm - 3:50pm | Seats (Total: 20)<br>BRB 1101<br>MCB 1206 | Lab |
| 1301 | Kevin McIver<br>TuTh 11:00am - 11:50am<br>MW 2:00pm - 3:50pm | Seats (Total: 20)<br>BRB 1101<br>MCB 1201 | Lab |
| 1306 | Kevin McIver<br>TuTh 11:00am - 11:50am<br>MW 2:00pm - 3:50pm | Seats (Total: 20)<br>BRB 1101<br>MCB 1206 | Lab |
| 1311 | Kevin McIver<br>TuTh 11:00am - 11:50am<br>MW 2:00pm - 3:50pm | Seats (Total: 20)<br>BRB 1101<br>MCB 1205 | Lab |

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|---|---|---|---|
| SES1 | David Rollins | Seats (Total: 18) | |
| | TuTh 6:00pm - 6:50pm<br>TuTh 7:00pm - 9:00pm | MCB 1207<br>MCB 1201 | Lab |
| | *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.* | | |
| SES2 | David Rollins | Seats (Total: 18) | |
| | TuTh 6:00pm - 6:50pm<br>TuTh 7:00pm - 9:00pm | MCB 1207<br>MCB 1205 | Lab |
| | *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.* | | |

**BSCI258** **College Park Scholars Internship**

**BSCI258 College Park Scholars Internship; (2 credits)** Grade Method: REG/P-F/AUD.
(Sponsoring Dept.: BSCI).

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|---|---|---|
| 8005 | Reid Compton | Seats (Total: 50) |
| | Contact instructor or department for details. | |

**BSCI279** **Supplemental Study; Supplemental Study in Biology**

**BSCI279** *(PermReq)* **Supplemental Study: Supplemental Study in Biology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: BIOL).

**Contact department for information to register for this course.**

**BSCI279C** **Supplemental Study; Catalyst Program Seminar**

**BSCI279C** *(PermReq)* **Supplemental Study: Catalyst Program Seminar; (1 credit)** Grade Method: REG.
(Sponsoring Dept: BIOL)

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|---|---|---|
| 0101 | Byrn Quimby, Katerina Thompson<br>M 3:30pm - 5:00pm | Seats (Total: 47)<br>BPS 1243 |

**BSCI279H** **Supplemental Study; Catalyst Program Seminar**

**BSCI279H** *(PermReq)* **Supplemental Study: Catalyst Program Seminar; (1 credit)** Grade Method: REG.

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|---|---|---|
| 0101 | Katerina Thompson, Byrn Quimby<br>M 3:30pm - 5:00pm | Seats (Total: 70)<br>BPS 1243 |

**BSCI279L** **Supplemental Study; Biology I Laboratory**
**Contact department for information to register for this course.**

**BSCI279N** **Supplemental Study; Biology II Laboratory**
**Contact department for information to register for this course.**

**BSCI279P** **Supplemental Study; Undergraduate Teaching Seminar**

**BSCI279P** *(PermReq)* **Supplemental Study: Undergraduate Teaching Seminar; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

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|---|---|---|
| 0101 | Francisca Saavedra<br>TBA | Seats (Total: 35)<br>PLS 1111 |

**BSCI279Q** **Supplemental Study; Readings in Neurophysiology**

**BSCI279Q** *(PermReq)* **Supplemental Study: Readings in Neurophysiology; (1 credit)** Grade Method: REG/P-F/AUD.
(Sponsoring Dept.: BIOL).

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| 0101 | Daniel Butts, Patrick Kanold, Elizabeth Quinlan, Ricardo Araneda<br>Contact instructor or department for details. | Seats (Total: 10) |

**BSCI279R** **Supplemental Study; Undergraduate Research Rotation**

**BSCI279R** *(PermReq)* **Supplemental Study: Undergraduate Research Rotation; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: CBMG).

**Contact department for information to register for this course.**

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**BSCI283** **Principles of Microbiology**

**BSCI283 Principles of Microbiology; (4 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: BSCI207 and BSCI222. Credit only granted for: BSCI223 or BSCI283. Additional information: Priority given to BSCI, BCHM and CHEM majors.* Introduction to microorganisms designed for science majors. Genetic principles underlying microbial abilities; microbial structure-function relationships; metabolism, physiology, and ecology of microorganisms; interactions between microorganisms (including pathogens) and their hosts. (Sponsoring Dept.: CBMG). Students must pay a $40.00 lab materials fee.

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|---|---|---|---|
| 1025 | Richard Stewart, John Buchner<br>TuTh 11:00am - 11:50am<br>TuTh 9:00am - 10:50am | Seats (Total: 20)<br>PLS 1140<br>MCB 1205 | <br><br>Lab |
| 1125 | John Buchner, Richard Stewart<br>TuTh 11:00am - 11:50am<br>TuTh 12:00pm - 1:50pm | Seats (Total: 20)<br>PLS 1140<br>MCB 1205 | <br><br>Lab |
| 1205 | Richard Stewart, John Buchner<br>TuTh 11:00am - 11:50am<br>MW 12:00pm - 1:50pm | Seats (Total: 20)<br>PLS 1140<br>MCB 1205 | <br><br>Lab |

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**BSCI288** **Internship; Field Experience**

**BSCI288** *(PermReq)* **Internship: Field Experience; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: BSCI).

**Contact department for information to register for this course.**

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**BSCI289** **Off-Campus Internship**

**BSCI289** *(PermReq)* **Off-Campus Internship; (1-3 credits)** Grade Method: S-F. (Sponsoring Dept.: BSCI). Provides credit for off-campus research internships. This credit counts as elective toward graduation, but does not satisfy any Biological Sciences degree requirements (For information about research credit that does count toward Biological Sciences contact the Biological Sciences Program, room 1322 Symons Hall). This requires that a contract form be filed with the Director of Undergraduate Research and Internship Programs, Room 1313 Symons Hall, prior to the internship. The contract must be finalized and signed by the research supervisor at the end of the semester before credit will be awarded.

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| 1110 | Katerina Thompson | Seats (Total: 15) |
| | Contact instructor or department for details. | |

**BSCI327** **Physics of Living Systems**

**BSCI327 Physics of Living Systems; (3 credits)** Grade Method: REG/P-F.
This course will provide the foundation in Physics necessary to understand biological processes at the cellular/molecular level. Unlike classical Physics, this deals with Physics in liquids at energies comparable to thermal energy. It allow one to understand such essential processes of living systems as spontaneous motion, and the energetics and forces that allow one to understand the strategies used by living systems. Students who prefer to learn by memorization should not enroll in this course. (Sponsoring Dept.: BIOL). Applicable towards all Biological Sciences areas as enrichment only.

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|---|---|---|
| 0101 | Marco Colombini | Seats (Total: 15) |
| | TuTh 9:30am - 10:45am | BPS 0213 |

**BSCI329** **Instructional Assistance Practicum**

**BSCI329** *(PermReq)* **Instructional Assistance Practicum; (1-2 credits)** Grade Method: REG/P-F/AUD.
(Sponsoring Dept.: BIOL). Prerequisite: permission of department. Credit cannot be applied to the requirements of any Biological Sciences Major.

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|---|---|---|
| 1016 | Hilary Bierman | Seats (Total: 5) |
| | Contact instructor or department for details. | |
| 1150 | William Higgins | Seats (Total: 5) |
| | Contact instructor or department for details. | |

**BSCI329H** **Instructional Assistance Practicum; Honors Instructional Assistance Practicum**

**BSCI329H** *(PermReq)* **Instructional Assistance Practicum: Honors Instructional Assistance Practicum; (1-2 credits)** Grade Method: REG/P-F/AUD. (Sponsoring Dept.: BIOL). Prerequisite: permission of department. Credit cannot be applied to the requirements of any Biological Sciences Major.

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|---|---|---|---|
| 2080 | Todd Cooke<br>Contact instructor or department for details. | Seats (Total: 20) | |
| 2350 | Byrn Quimby<br>Contact instructor or department for details. | Seats (Total: 20) | |

**BSCI330** **Cell Biology and Physiology**

**BSCI330 Cell Biology and Physiology; (4 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: Minimum grade of C- in CHEM131, CHEM132, and BSCI105. Restriction: Must not have completed BSCI230. Credit only granted for: BSCI230 or BSCI330. Formerly: BSCI230.* Biochemical and physiological mechanisms underlying cellular function. Properties of cells which make life possible and mechanisms by which cells provide energy, reproduce, and regulate and integrate with each other and their environment. (Sponsoring Dept: BIOL). Specialization Areas: PHNB, CEBG, MICB, ECEV, and GENB. Students must pay a $40.00 lab materials fee.

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|---|---|---|---|
| 0101 | Hadiya Woodham, Richard Payne<br>MWF 9:00am - 9:50am<br>M 11:00am - 1:50pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0207 | <br><br>Lab |
| 0102 | Richard Payne, Hadiya Woodham<br>MWF 9:00am - 9:50am<br>M 2:00pm - 4:50pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0207 | <br><br>Lab |
| 0103 | Hadiya Woodham, Richard Payne<br>MWF 9:00am - 9:50am<br>M 6:00pm - 8:50pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0207 | <br><br>Lab |
| 0104 | Richard Payne, Hadiya Woodham<br>MWF 9:00am - 9:50am<br>Tu 9:30am - 12:20pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0207 | <br><br>Lab |

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|---|---|---|---|
| 0105 | Richard Payne, Hadiya Woodham<br>MWF 9:00am - 9:50am<br>Tu 2:00pm - 4:50pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0207 | <br><br>Lab |
| 0106 | Hadiya Woodham, Richard Payne<br>MWF 9:00am - 9:50am<br>W 11:00am - 1:50pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0207 | <br><br>Lab |
| 0107 | Richard Payne, Hadiya Woodham<br>MWF 9:00am - 9:50am<br>W 2:00pm - 4:50pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0207 | <br><br>Lab |
| 0108 | Richard Payne, Hadiya Woodham<br>MWF 9:00am - 9:50am<br>Th 9:30am - 12:20pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0207 | <br><br>Lab |
| 0109 | Hadiya Woodham, Richard Payne<br>MWF 9:00am - 9:50am<br>Th 2:00pm - 4:50pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0207 | <br><br>Lab |
| 0110 | Hadiya Woodham, Richard Payne<br>MWF 9:00am - 9:50am<br>Tu 6:00pm - 8:50pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0207 | <br><br>Lab |
| 0112 | Hadiya Woodham, Richard Payne<br>MWF 9:00am - 9:50am<br>Th 6:30pm - 9:30pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0207 | <br><br>Lab |
| 1101 | Kan Cao, Hadiya Woodham, June Kwak<br>TuTh 9:30am - 10:45am<br>M 2:00pm - 4:50pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0257 | <br><br>Lab |
| 1102 | June Kwak, Kan Cao, Hadiya Woodham<br>TuTh 9:30am - 10:45am<br>Tu 11:00am - 1:50pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0257 | <br><br>Lab |
| 1103 | June Kwak, Hadiya Woodham, Kan Cao<br>TuTh 9:30am - 10:45am<br>Tu 2:30pm - 5:20pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0257 | <br><br>Lab |

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|---|---|---|---|
| 1104 | Hadiya Woodham, June Kwak, Kan Cao<br>TuTh 9:30am - 10:45am<br>Tu 6:00pm - 8:50pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0257 | <br><br>Lab |
| 1106 | Kan Cao, June Kwak, Hadiya Woodham<br>TuTh 9:30am - 10:45am<br>W 2:00pm - 4:50pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0257 | <br><br>Lab |
| 1107 | June Kwak, Hadiya Woodham, Kan Cao<br>TuTh 9:30am - 10:45am<br>Th 11:00am - 1:50pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0257 | <br><br>Lab |
| 1108 | June Kwak, Hadiya Woodham, Kan Cao<br>TuTh 9:30am - 10:45am<br>Th 2:30pm - 5:20pm | Seats (Total: 24)<br>BRB 1101<br>BPS 0257 | <br><br>Lab |
| SES1 | Elizabeth Read-Connole<br>Tu 6:30pm - 9:30pm<br>Th 6:30pm - 9:30pm<br>*This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.* | Seats (Total: 24)<br>BPS 0283<br>BPS 0257 | <br><br>Lab |

**BSCI334** **Mammalogy**

**BSCI334 Mammalogy; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in BSCI207 and BSCI106.* Introduction to the biology of mammals, including evolution, physiological, and behavioral specializations. (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: GENB and ECEV.

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| 0101 | Katerina Thompson<br>TuTh 12:30pm - 1:45pm | Seats (Total: 75)<br>PLS 1140 |

**BSCI335** **Mammalogy Laboratory**

**BSCI335 Mammalogy Laboratory; (1 credit)** Grade Method: REG/P-F/AUD. *Prerequisite: Minimum grade of C- in BSCI334 and BSCI106; and must have completed or be concurrently enrolled in BSCI334.* Lab and field techniques for the study of mammals, focusing on their identification, anatomy, histology, spatial distribution, ecology, and behavior. (Sponsoring Dept.: BIOL). Students must pay a $40.00 lab materials fee.

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| 0101 | Katerina Thompson<br>Tu 2:00pm - 4:50pm | Seats (Total: 20)<br>HJP 2230 | Lab |
| 0102 | Katerina Thompson<br>W 2:00pm - 4:50pm | Seats (Total: 20)<br>HJP 2230 | Lab |

**BSCI337** **Biology of Insects**

**BSCI337 Biology of Insects; (4 credits)** Grade Method: REG/AUD. *Prerequisite: BSCI106; or permission of CMNS-Biological Sciences UG Program.* An overview of the biology, evolution and diversity of insects and their relatives. Insect morphology, physiology, behavior and ecology; the impact of insects on humanity and the management of pest insect populations; assembly of an insect collection is required. (Sponsoring Dept.: ENTM). Specialization Areas: GENB and ECEV. Students must pay a $40.00 laboratory materials fee.

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| 0101 | Cerruti Hooks, Charles Mitter, Jian Wang<br>TuTh 9:30am - 10:45am<br>M 2:00pm - 4:50pm | Seats (Total: 18)<br>PLS 1111<br>PLS 1161 | Lab |
| 0102 | Cerruti Hooks, Charles Mitter, Jian Wang<br>TuTh 9:30am - 10:45am<br>Tu 2:00pm - 4:50pm | Seats (Total: 18)<br>PLS 1111<br>PLS 1161 | Lab |

**BSCI338D** **Special Topics in Biology; Complexity of Cancer**
**Contact department for information to register for this course.**

**BSCI338I** **Special Topics in Biology; Medical Biotechnology & Drug Development**
**Contact department for information to register for this course.**

**BSCI338J** **Special Topics in Biology; Medical Exploration of HIV/AIDS**
**Contact department for information to register for this course.**

**BSCI338M** **Special Topics in Biology; Human Health and Disease: A Clinical Approach**
**Contact department for information to register for this course.**

**BSCI338N** **Special Topics in Biology; Diseases of Nervous System**

**BSCI338N Special Topics in Biology: Diseases of Nervous System; (3 credits)** Grade Method: REG/P-F/AUD.
(Sponsoring DEPT: BIOL). Prerequisite: BSCI330. (Sponsoring DEPT: BIOL). Acceptable toward Biological Sciences specialization areas: PHNB, ZOOL, and GENB. An advanced course covering the function and organization of the nervous system as revealed by pathology and disease.

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| 0101 | Joshua Singer | Seats (Total: 50) | |
| | TuTh 2:00pm - 3:15pm | TWS 1100 | |

**BSCI338P** **Special Topics in Biology; Pathophysiology of Circulatory System**

**BSCI338P Special Topics in Biology: Pathophysiology of Circulatory System; (3 credits)** Grade Method: REG/P-F/AUD.
(Sponsoring Dept: BIOL). Acceptable towards Biological Sciences Speciailization Areas: ZOOL, PHNB, GENB, and CEBG. Prerequisite: BSCI230 or BSCI330; or permission of instructor. Seminar course focusing on the physiology of the cardiovascular system and on the rationales behind the development of specific drugs and intervention methodologies used in the treatments of pathological conditions.

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| 0101 | Ibrahim Ades | Seats (Total: 23) | |
| | TuTh 12:30pm - 1:45pm | PLS 1172 | |

**BSCI338Q** **Special Topics in Biology; Conservation Laboratory**

**BSCI338Q Special Topics in Biology: Conservation Laboratory; (1 credit)** Grade Method: REG/P-F/AUD.
(Sponsoring Dept: BIOL).Acceptable towards Biological Sciences Program Specialization Areas: ZOOL (EEB area); BEES (elective); GENB (category II). Also, acceptable as restricted elective in ENSP-Biodiversity and Conservation Biology. Pre- or corequisite: BSCI363. Students must pay a $40.00 lab materials fee.

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| 0101 | Keryn Gedan | Seats (Total: 20) | |
| | M 2:00pm - 4:50pm | BPS 0275 | Lab |

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| 0201 | Keryn Gedan<br>W 2:00pm - 4:50pm | Seats (Total: 20)<br>BPS 0275 | Lab |

**BSCI338V** **Special Topics in Biology; Biology of Vision**

**BSCI338V Special Topics in Biology: Biology of Vision; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: BSCI207, recommended BSCI222. Acceptable towards Biological Sciences Specialization Areas: ECEV, GENB, PHNB. Sponsoring Dept. (BIOL).

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| 0101 | Karen Carleton<br>TuTh 12:30pm - 1:45pm | Seats (Total: 42)<br>PLS 1119 |

**BSCI338Z** **Special Topics in Biology; Field Research**

**BSCI338Z** *(PermReq)* **Special Topics in Biology: Field Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept: BIOL). Cannot be used as credit toward the major requirements for any Biological Sciences major. Contact the Biology Department Undergraduate Office for course information.

**Contact department for information to register for this course.**

**BSCI339A** **Selected Topics in Biology; Biology of Sex**

**BSCI339A Selected Topics in Biology: Biology of Sex; (3 credits)** Grade Method: REG/P-F/AUD.
Pre-requisites: BSCI222 and BSCI430. Applicable towards Biological Sciences Specialization Areas: ECEV and GENB. Sponsoring Dept. (BIOL).

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| 0101 | Eric Haag<br>TuTh 3:30pm - 4:45pm | Seats (Total: 10)<br>BPS 0213 |

**BSCI339B** **Selected Topics in Biology; Population Genetics**

**BSCI339B Selected Topics in Biology: Population Genetics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: BSCI 222; or the equivalent. Population genetics is the study of allele frequency, distribution, and change under the influence of evolutionary processes. Sponsoring department (BIOL). Acceptable towards Biological Sciences areas: CEBG, ECEV, and GENB. Students must pay a $40.00 Laboratory Materials fee.

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|---|---|---|---|
| 0101 | Thomas Kocher | Seats (Total: 8) | |
| | Tu 1:00pm - 2:00pm | PLS 1121 | |
| | Th 1:00pm - 4:00pm | PLS 1121 | |

**BSCI339C** **Selected Topics in Biology; Cell Biology Lab**

**BSCI339C** *(PermReq)* **Selected Topics in Biology: Cell Biology Lab; (1 credit)** Grade Method: REG/P-F/AUD.
Prerequisites: BSCI420. Credit will be granted for BSCI339C or BSCI421. Students must pay a $40.00 lab materials fee. (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: PHNB, CEBG, and GENB.

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| 0101 | Hadiya Woodham | Seats (Total: 3) | |
| | Tu 1:00pm - 4:50pm | PLS 1171 | Lab |
| 0102 | Hadiya Woodham | Seats (Total: 3) | |
| | W 1:00pm - 4:50pm | Location: TBA | Lab |

**BSCI348** **Special Topics in Cell Biology and Molecular Genetics**

**BSCI348** *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: CBMG). May be repeated but only 3 credits may be applied to major requirements.

**Contact department for information to register for this course.**

**BSCI348A** **Special Topics in Cell Biology and Molecular Genetics; Scientific Teaching Internship**

**BSCI348A** *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics: Scientific Teaching Internship; (3 credits)** Grade Method: REG/P-F/AUD. (Sponsoring Dept.: CBMG). Students will act as Undergraduate Teaching Assistants for BSCI223. Prerequisite: A or B in BSCI223 and permission of instructor. Student must be available for one of the BSCI223 lab periods. Students interested in this teaching/leadership opportunity should contact Dr. Richard Stewart mith for application information: alec@umd.edu. This course is applicable for the Enrichment credits required of all Biological Sciences students in majors with 0404 codes. For others this is elective credit. Formerly: BSCI348U.

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| 0101 | Richard Stewart | Seats (Total: 22) |
| | F 8:00am - 8:50am | PLS 1129 |
| | Contact instructor or department for details. | |

**BSCI348B** **Special Topics in Cell Biology and Molecular Genetics; Applications in Bioinformatics**

**BSCI348B Special Topics in Cell Biology and Molecular Genetics: Applications in Bioinformatics; (2 credits)** Grade Method: REG/AUD.
Students will learn about methodologies and tools applicable to bioinformatics through learning to use a variety of databases from NCBI and other sources. The curriculum will consist of lecture and computer exercises using published data to explore relationships between sequences of nucleotides and proteins to gain understanding of homology, function and evolution. Restricted to Shady Grove Biological Sciences Students. Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove. For permission please contact usgbiosci@umd.edu.

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| SG91 | Beth Parent | Seats (Total: 30) |
| | M 1:00pm - 2:50pm | BLD3 2225 |
| | *Registration is restricted to Biological Sciences- Shady Grove majors. Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.* | |

**BSCI348P** **Special Topics in Cell Biology and Molecular Genetics; Introductory Biology Curriculum and Instruction Practicum**

**BSCI348P** *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics: Introductory Biology Curriculum and Instruction Practicum; (3 credits)** Grade Method: REG/P-F/AUD.
(Sponsoring Dept.: CBMG). Students will learn about methodologies and curriculum tools applicable to the field of undergraduate science education; the practicum component of the course will allow students to directly apply such innovative approaches through an undergraduate teaching and learning assistantship (UTLA) in conjunction with BSCI105. Prerequisite: A or B in BSCI105 and permission of instructor. Student must be available for one of the BSCI105 lecture periods (MWF 1-1:50pm). Students interested in this teaching/leadership opportunity should contact either Dr. Patricia Shields (pshields@umd.edu) or Jeffrey Olimpo (jeolimpo@umd.edu) for further information. This course is applicable for the Enrichment credits required of all Biological students in majors with 0404 codes. For others this is an elective credit.

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| 0101 | Patricia Shields | Seats (Total: 20) |
| | W 10:00am - 10:50am | MCB 1123 |
| | Contact instructor or department for details. | |

**BSCI348R** **Special Topics in Cell Biology and Molecular Genetics; Microbiology Internship**

**BSCI348R** *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics: Microbiology Internship; (1-4 credits)** Grade Method: REG/P-F/AUD.
(Sponsoring Dept.: CBMG). An opportunity for students interested in microbiology to pursue a research project in an off-campus lab. The student must see the instructor and complete an information sheet found on the web site, prior to enrolling in the course. Web site: http://www.life.umd.edu/CBMG/progrms/department/micb388r.html

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| 0101 | Najib El-Sayed | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**BSCI353** **Principles of Neuroscience**

**BSCI353 Principles of Neuroscience; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: 1 course with a minimum grade of C- from (BSCI207, BSCI330). Corequisite: PHYS122 or PHYS142.* Principles of nervous system function, ranging from molecular and cellular basis of neuron function through nervous system integration.

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| 0101 | Catherine Carr<br>TuTh 11:00am - 12:15pm | Seats (Total: 150)<br>BPS 1250 | |

**BSCI361** **Principles of Ecology**

**BSCI361 Principles of Ecology; (4 credits)** Grade Method: REG/P-F.
*Prerequisite: BSCI106; and (MATH130 or MATH140).* Basic principles of population, community, and ecosystem ecology. Use of these principles to predict possible consequences of human-caused changes in the environment and to understand the level of uncertainty of those predictions. (Sponsoring Dep.: BIOL). Acceptable toward Biological Sciences Specialization Areas: ECEV and GENB.

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| 0101 | Nathan Kraft<br>TuTh 2:00pm - 3:15pm<br>M 1:00pm - 1:50pm | Seats (Total: 24)<br>PLS 1130<br>PLS 1146 | <br><br>Discussion |
| 0102 | Nathan Kraft<br>TuTh 2:00pm - 3:15pm<br>M 2:00pm - 2:50pm | Seats (Total: 24)<br>PLS 1130<br>PLS 1113 | <br><br>Discussion |
| 0103 | Nathan Kraft<br>TuTh 2:00pm - 3:15pm<br>M 3:00pm - 3:50pm | Seats (Total: 24)<br>PLS 1130<br>PLS 1146 | <br><br>Discussion |

**BSCI363** **The Biology of Conservation and Extinction**

**BSCI363 The Biology of Conservation and Extinction; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: BSCI106.* Ecology, evolutionary biology, and paleontology will be applied to the study of conservation, species invasions, and extinction. (Sponsoring Dept.: BIOL). Prerequisite: BSCI 106. Acceptable toward Biological Sciences Specialization areas: ECEV and GENB.

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| 0101 | Keryn Gedan<br>MWF 11:00am - 11:50am | Seats (Total: 96)<br>BPS 1243 | |

**BSCI370** **Principles of Evolution**

**BSCI370 Principles of Evolution; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: BSCI106.* Understanding evolutionary processes in a natural and human environment, including adaptation; DNA sequence, protein, and genome evolution; evolution of developmental mechanisms; mechanisms of evolutionary change (mutation, natural selection, drift); epidemiology; coevolution and biological control; speciation; comparative methods; extinction and conservation; human evolution. (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: PHNB, GENB, and ECEV.

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| 0101 | Carlos Machado | Seats (Total: 100) |
| | TuTh 9:30am - 10:45am | PLS 1140 |

**BSCI378H** **Cell Biology and Molecular Genetics Department Honors Seminar**

**BSCI378H Cell Biology and Molecular Genetics Department Honors Seminar; (1 credit)** Grade Method: REG.
Required seminar for all students participating in departmental honors research program. (Sponsoring Dept.: CBMG). Corequisite: BSCI379H. Restricted to students participating in the CBMG Departmental Honors Program. Click here for detailed program information.

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| 0101 | Caren Chang | Seats (Total: 18) |
| | F 2:00pm - 2:50pm | BRB 3101 |

**BSCI379G** **Cell Biology and Molecular Genetics Department Research; Research in Cell Biology and Molecular Genetics**

**BSCI379G** *(PermReq)* **Cell Biology and Molecular Genetics Department Research: Research in Cell Biology and Molecular Genetics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: CBMG). Permission required. See CBMG department Undergraduate office. Formerly MICB399G. Click here for more course information.

**Contact department for information to register for this course.**

**BSCI379H** **Cell Biology and Molecular Genetics Department Honors Research**

**BSCI379H** *(PermReq)* **Cell Biology and Molecular Genetics Department Honors Research; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Student should consult program guidelines. Research project carried out under guidance of faculty advisor. (Sponsoring Dept.: CBMG). Corequisite: BSCI378H. Restricted to students participating in the CBMG Departmental Honors Program. Click here for detailed program information.

**Contact department for information to register for this course.**

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**BSCI379P** **Cell Biology and Molecular Genetics Department Research; Research in Plant Biology**

**BSCI379P** *(PermReq)* **Cell Biology and Molecular Genetics Department Research: Research in Plant Biology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: CBMG). Permission required. See CBMG Undergraduate office Formerly PBIO399. Click here for more course information.

**Contact department for information to register for this course.**

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**BSCI389** **Entomology Department Research**

**BSCI389** *(PermReq)* **Entomology Department Research; (1-2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: ENTM).Formerly ENTM399.

**Contact department for information to register for this course.**

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**BSCI389H** **Entomology Department Honors Research**

**BSCI389H** *(PermReq)* **Entomology Department Honors Research; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
(Sponsoring Dept.: ENTM).

**Contact department for information to register for this course.**

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**BSCI398H** **Biology Department Honors Seminar**

**BSCI398H** *(PermReq)* **Biology Department Honors Seminar; (1 credit)** Grade Method: REG/P-F/AUD.
Required seminar for all students participating in departmental honors research program. (Sponsoring Dept.: BIOL). Prerequisite: permission of department. Formerly ZOOL308H.

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| 1000 | Marjorie Reaka | Seats (Total: 35) |
| | M 4:00pm - 4:50pm | BPS 1208 |

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**BSCI399** **Biology Department Research; Biology Department Research**

**BSCI399** *(PermReq)* **Biology Department Research: Biology Department Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Formerly ZOOL 319. (Sponsoring Dept.: BIOL)

**Contact department for information to register for this course.**

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**BSCI399H** **Biology Department Honors Research**

**BSCI399H** *(PermReq)* **Biology Department Honors Research; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
A laboratory research problem; required each semester during honors participation and culminating in an honors thesis. (Sponsoring Dept.: BIOL). Formerly ZOOL318H.

**Contact department for information to register for this course.**

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**BSCI404** **Cell Biology from a Biophysical Perspective**

**BSCI404 Cell Biology from a Biophysical Perspective; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: BSCI230 or BSCI330. Recommended: PHYS121 and PHYS122. Also offered as: BIOL704, BIPH704. Credit only granted for: BSCI338O, BSCI404, BIOL704, BIOL708O, or BIPH704. Formerly: BSCI338O.* An approach to cell biology by focusing on mechanisms and unifying physical paradigms. It will not assume a great deal of factual biological knowledge, but will expect a background that prepares students to think mechanistically and quantitatively. Applicable towards Biological Specialization Areas: PHNB, GENB, and CEBG. Sponsoring Dept (BIOL).

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| 0101 | Sergei Sukharev<br>TuTh 3:30pm - 4:45pm | Seats (Total: 15)<br>PLS 1113 | |

**BSCI410** **Molecular Genetics**

**BSCI410 Molecular Genetics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: BSCI222. And must have completed CHEM233; or (CHEM231 and CHEM232).* An advanced genetics course emphasizing the molecular basis of gene structure and function in the context of modern approaches to the genetics of humans and model organisms. (Sponsoring Dept.: CBMG) Acceptable toward Biological Sciences specialization areas: PHNB, MICB, CEBG, GENB and ECEV.

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| 0201 | Jian Wang<br>MW 12:00pm - 1:15pm | Seats (Total: 45)<br>MCB 1207 | |
| BL01 | Stephen Mount<br>Th 11:00am - 12:15pm<br>Class time/details on ELMs | Seats (Total: 95)<br>CSS 2324<br>ONLINE | |

*Blended Learning courses combine face-to-face and online interactions.*

**BSCI412** **Microbial Genetics**

**BSCI412 Microbial Genetics; (4 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: BSCI223 and BSCI222.* A laboratory/lecture based course that covers the fundamentals of mutation, mobile genetic elements and transmission genetics of microbial organisms using both classical and molecular approaches. (Sponsoring Dept: CBMG). Acceptable toward Biological Sciences Specialization Areas: MICB, CEBG, and GENB. Students must pay a $40.00 lab materials fee.

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| 0101 | Vincent Lee<br>TuTh 12:30pm - 1:30pm<br>TuTh 1:30pm - 4:30pm | Seats (Total: 18)<br>MCB 1207<br>MCB 1143 | <br><br>Lab |
| 0103 | Vincent Lee<br>TuTh 12:30pm - 1:30pm<br>TuTh 1:30pm - 4:30pm | Seats (Total: 18)<br>MCB 1207<br>MCB 1138 | <br><br>Lab |

**BSCI413** **Recombinant DNA**
**Contact department for information to register for this course.**

**BSCI414** **Recombinant DNA Laboratory**

**BSCI414 Recombinant DNA Laboratory; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: BSCI222.* An advanced course offering hands-on experience in performing recombinant DNA experiments. All current molecular biology techniques used for cloning prokaryotic genes, analyzing the gene products, and modifying the genes will be performed. Techniques include isolation of DNA, use of restriction enzymes; cloning procedures, PCR analysis, and Southern hybridizations. Lecture material focuses on interpretation of results generated in the laboratory. Students must pay a $40.00 laboratory materials fee.

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| SG91 | Sandra Fox-Moon | Seats (Total: 35) |
| | TuTh 1:00pm - 5:00pm | BLD2 3022 |
| | *Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.* | |

**BSCI416** **Human Genetics**

**BSCI416 Human Genetics; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
*Prerequisite: Minimum grade of C- in BSCI410. Recommended: BSCI330.*
Approaches to human genetics and applications to biology and medicine focusing on specific human genetic topics using primary research papers as the main resource.

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| 0101 | Louisa Wu, John Moult | Seats (Total: 48) |
| | MW 3:30pm - 4:45pm | BPS 0283 |

**BSCI417** **Microbial Pathogenesis**

**BSCI417 Microbial Pathogenesis; (3 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
*Prerequisite: BSCI223 and BSCI222. Restriction: Junior standing or higher. Credit only granted for: BSCI348M or BSCI417. Formerly: BSCI348M.* Current research in microbial pathogenesis and the molecular and cellular basis of bacterial disease. Comprehensive overview of the molecular basis of pathogenesis with a focus on model microbial systems to illustrate mechanisms of disease pathogenesis. Topics covered: how microorganisms attach to and enter cells; how host cells are damaged by microbial products; how the host responds to invasion; and host-pathogen evolution.

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| 0101 | Daniel Stein | Seats (Total: 30) | |
| | TuTh 9:30am - 10:45am | BPS 1238 | |

**BSCI420** **Cell Biology Lectures**

**BSCI420 Cell Biology Lectures; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: BSCI330 and BSCI222; and must have completed CHEM233. Credit only granted for: BSCI420 or BSCI421.* Molecular and biochemical bases of cellular organization and function in eukaryotes. (Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas: PHNB, CEBG, and GENB.

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| 0101 | Stephen Wolniak, Hadiya Woodham | Seats (Total: 52) | |
| | TuTh 8:00am - 9:15am | PLS 1140 | |

**BSCI421** **Cell Biology**

**BSCI421 Cell Biology; (4 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: BSCI330 and BSCI222; and must have completed CHEM233. Credit only granted for: BSCI420 or BSCI421.* Molecular and biochemical basis of cellular organization and function in eukaryotes. (Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas: PHNB, CEBG, and GENB. Formerly PBIO 400 and ZOOL 411. Students must pay a $40.00 lab materials fee.

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| 0101 | Stephen Wolniak, Hadiya Woodham | Seats (Total: 18) | |
| | TuTh 8:00am - 9:15am | PLS 1140 | |
| | Tu 1:00pm - 4:50pm | PLS 1171 | Lab |

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| 0102 | Stephen Wolniak, Hadiya Woodham<br>TuTh 8:00am - 9:15am<br>W 1:00pm - 4:50pm | Seats (Total: 22)<br>PLS 1140<br>PLS 1171 | <br><br>Lab |

**BSCI422** **Principles of Immunology**

**BSCI422 Principles of Immunology; (3 credits)** Grade Method: REG. *Prerequisite: BSCI223 and BSCI222. Recommended: BSCI330. Restriction: Junior standing or higher.* The immune system in health and disease. Presentation and analysis of the cellular and molecular processes that comprise the immune system. (Sponsoring Dept.: CMBG). Acceptable toward Biological Sciences Specialization Areas: PHNB, MICB, CEBG, and GENB. Also offered as CBMG699W.

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| 0101 | David Mosser, Kenneth Frauwirth<br>MW 12:00pm - 12:50pm<br>Th 12:30pm - 1:20pm | Seats (Total: 25)<br>PLS 1140<br>PLS 1115 | <br><br>Discussion |
| 0102 | Kenneth Frauwirth, David Mosser<br>MW 12:00pm - 12:50pm<br>F 2:00pm - 2:50pm | Seats (Total: 25)<br>PLS 1140<br>PLS 1115 | <br><br>Discussion |
| 0103 | Kenneth Frauwirth, David Mosser<br>MW 12:00pm - 12:50pm<br>F 11:00am - 11:50am | Seats (Total: 25)<br>PLS 1140<br>PLS 1117 | <br><br>Discussion |
| 0104 | David Mosser, Kenneth Frauwirth<br>MW 12:00pm - 12:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 25)<br>PLS 1140<br>PLS 1115 | <br><br>Discussion |
| SG91 | Scott Walsh<br>TuTh 11:00am - 12:15pm<br>*Registration is restricted to Biological Sciences- Shady Grove majors. Permission is required for all other student to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.* | Seats (Total: 40)<br>BLD2 3062 | |

**BSCI423** **Immunology Laboratory**

**BSCI423 Immunology Laboratory; (2 credits)** Grade Method: REG. *Prerequisite: BSCI223 and BSCI222. Corequisite: BSCI422. Restriction: Junior standing or higher.* Current techniques for assessment of immune status and evaluation of the immune response, including monoclonal antibody production, Western blotting, cytokine assays, ELISA and flow cytometry. (Sponsoring Dept.: CBMG). Acceptable toward Biological Sciences Specialization Areas:PHNB, MICB, CEBG and GENB. Students must pay a $40.00 lab materials fee.

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| 0101 | Kenneth Frauwirth<br>MW 2:00pm - 3:50pm | Seats (Total: 20)<br>MCB 1143 | Lab |
| 0103 | Kenneth Frauwirth<br>MW 3:00pm - 4:50pm | Seats (Total: 20)<br>MCB 1135 | Lab |

**BSCI424** **Pathogenic Microbiology**
**Contact department for information to register for this course.**

**BSCI430** **Developmental Biology**

**BSCI430 Developmental Biology; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: BSCI222 and BSCI330.* Structural, functional and regulatory events and mechanisms that operate during development to produce an integrated, multicellular organism composed of a multitude of differentiated cell types. (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: PHNB, CEBG, ECEV, and GENB.

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| 0101 | William Jeffery<br>TuTh 12:30pm - 1:45pm | Seats (Total: 70)<br>PLS 1130 | |

**BSCI433** **Biology of Cancer**

**BSCI433 Biology of Cancer; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: BSCI222 and BSCI330; or permission of CMNS-Biological Sciences UG Program.* Causes and consequences of neoplastic transformations at the biochemical and cellular levels. (Sponsoring Dept.: BIOL). Acceptable towards Biological Sciences Specialization Areas: PHNB, CEBG, and GENB.

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| 0101 | Ibrahim Ades<br>TuTh 9:30am - 10:45am | Seats (Total: 100)<br>BPS 1250 | |

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| SES1 | Ibrahim Ades<br>W 6:00pm - 8:50pm<br>*This section is restricted to SIE majors only.* | Seats (Total: 30)<br>BPS 0283 | |

**BSCI437** **General Virology**

**BSCI437 General Virology; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: BSCI222; or permission of CMNS-Biological Sciences UG Program. Restriction: Junior standing or higher.* Discussion of the physical and chemical nature of viruses, virus cultivation and assay methods, virus replication, viral diseases with emphasis on the oncogenic viruses, viral genetics, and characteristics of the major virus groups. (Sponsoring Dept.: CBMG). Specialization Areas: MICB, CEBG, and GENB.

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| 0101 | Brenda Fredericksen, Jeffrey DeStefano<br>MWF 11:00am - 11:50am | Seats (Total: 80)<br>MCB 1207 | |

**BSCI440** **Mammalian Physiology**

**BSCI440 Mammalian Physiology; (4 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: BSCI330; and (CHEM231 and CHEM232; or must have completed CHEM233). Or permission of CMNS-Biological Sciences UG Program.* A study of the cardiovascular, hemopoietic, gastrointestinal, renal and respiratory systems. Chemical and endocrine regulation of physiological functions in mammals. Course does not count as an upper level lab for BIOL majors (see BSCI441). (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: PHNB, and GENB.

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| 2201 | Ricardo Araneda<br>MWF 9:00am - 9:50am<br>M 12:00pm - 1:50pm | Seats (Total: 30)<br>BPS 1250<br>PLS 1111 | Discussion |
| 2202 | Ricardo Araneda<br>MWF 9:00am - 9:50am<br>M 2:00pm - 3:50pm | Seats (Total: 30)<br>BPS 1250<br>BPS 1124 | Discussion |
| 2203 | Ricardo Araneda<br>MWF 9:00am - 9:50am<br>Tu 2:00pm - 3:50pm | Seats (Total: 30)<br>BPS 1250<br>BPS 1124 | Discussion |

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| 2206 | Ricardo Araneda<br>MWF 9:00am - 9:50am<br>F 2:00pm - 3:50pm | Seats (Total: 30)<br>BPS 1250<br>BPS 1124 | <br><br>Discussion |
| 2301 | William Higgins<br>TuTh 8:00am - 9:15am<br>M 12:00pm - 1:50pm | Seats (Total: 30)<br>MMH 1400<br>BPS 1124 | <br><br>Discussion |
| 2302 | William Higgins<br>TuTh 8:00am - 9:15am<br>Tu 2:00pm - 3:50pm | Seats (Total: 30)<br>MMH 1400<br>HBK 0108 | <br><br>Discussion |
| 2303 | William Higgins<br>TuTh 8:00am - 9:15am<br>W 10:00am - 11:50am | Seats (Total: 30)<br>MMH 1400<br>PLS 1117 | <br><br>Discussion |
| 2304 | William Higgins<br>TuTh 8:00am - 9:15am<br>W 12:00pm - 1:50pm | Seats (Total: 30)<br>MMH 1400<br>BPS 1124 | <br><br>Discussion |
| 2305 | William Higgins<br>TuTh 8:00am - 9:15am<br>W 10:00am - 11:50am | Seats (Total: 30)<br>MMH 1400<br>PLS 1113 | <br><br>Discussion |
| SES1 | William Higgins<br>Tu 6:00pm - 9:00pm<br>Th 6:00pm - 9:00pm<br>*This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.* | Seats (Total: 30)<br>PLS 1140<br>PLS 1140 | <br><br>Discussion |
| SG91 | David Sandstrom<br>MWF 11:00am - 12:15pm<br>*Registration is restricted to Biological Sciences- Shady Grove majors. Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.* | Seats (Total: 40)<br>BLD3 3206 | |

**BSCI441 Mammalian Physiology Laboratory**

**BSCI441 Mammalian Physiology Laboratory; (2 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Must have completed or be concurrently enrolled in BSCI440.* Laboratory exercises in experimental mammalian physiology. (Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Program Specialization Areas: PHNB and GENB). Students must pay a $40.00 lab materials fee.

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| 0101 | Hilary Bierman<br>M 1:00pm - 1:50pm<br>M 2:00pm - 5:50pm | Seats (Total: 20)<br>BPS 1243<br>PLS 1181 | Lab |
| 0103 | Hilary Bierman<br>M 1:00pm - 1:50pm<br>Tu 2:00pm - 5:50pm | Seats (Total: 20)<br>BPS 1243<br>PLS 1181 | Lab |
| 0104 | Hilary Bierman<br>M 1:00pm - 1:50pm<br>W 2:00pm - 5:50pm | Seats (Total: 20)<br>BPS 1243<br>PLS 1181 | Lab |
| 0106 | Hilary Bierman<br>M 1:00pm - 1:50pm<br>Th 2:00pm - 5:50pm | Seats (Total: 20)<br>BPS 1243<br>PLS 1181 | Lab |
| 0107 | Hilary Bierman<br>M 1:00pm - 1:50pm<br>F 10:00am - 1:50pm | Seats (Total: 20)<br>BPS 1243<br>PLS 1181 | Lab |

**BSCI447** **General Endocrinology**

**BSCI447 General Endocrinology; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: BSCI330; and must have completed CHEM233 and CHEM243.* Functions and the functioning of the endocrine glands of animals with special reference to the vertebrates. (Sponsoring Dept.: ENTM). Acceptable toward Biological Sciences Specialization Areas: PHNB and GENB.

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| 0101 | Michael Ma<br>MWF 10:00am - 10:50am | Seats (Total: 70)<br>MCB 1207 |

**BSCI462** **Population Ecology**

**BSCI462 Population Ecology; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MATH130 and BSCI106.* Theory of population growth and regulation, life tables, and theory of competition and predation, evolution in ecological settings, community structure and dynamics.

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| 0101 | Michele Dudash<br>MW 9:30am - 10:45am | Seats (Total: 30)<br>BPS 0283 |

**BSCI473** **Marine Ecology**

**BSCI473 Marine Ecology; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: BSCI207.* Courses in evolution and animal behavior are strongly recommended. A detailed analysis of the evolutionary ecology of marine invertebrates; emphasis on testing of theories and on current literature.

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| 0101 | Marjorie Reaka<br>TuTh 12:30pm - 1:45pm | Seats (Total: 40)<br>BPS 1124 |

# BSCV CIVICUS Spring 2013

**BSCV182** **Civicus and Service-Learning**

**BSCV182 Civicus and Service-Learning; (1 credit)** Grade Method: REG/P-F/AUD. *Prerequisite: BSCV191 and BSCV181; and must have completed or be concurrently enrolled in SOCY105. Restriction: Must be in the Civicus program. Credit only granted for: BSOS182 or BSCV182. Formerly: BSOS182.* Students will examine domestic societal issues and their national, regional, and local dimensions from political, economic, and policy perspectives. Students will work with local direct service non-profit organizations.

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| 0101 | Julie Randolph, Sue Briggs<br>M 3:30pm - 5:15pm | Seats (Total: 28)<br>SOM 0101 |
| 0201 | Julie Randolph, Sue Briggs<br>Tu 3:30pm - 5:15pm | Seats (Total: 26)<br>SOM 0101 |
| 0301 | Sue Briggs<br>Th 3:30pm - 5:15pm | Seats (Total: 28)<br>SOM 0101 |

**BSCV302** **Civicus Capstone**

**BSCV302 Civicus Capstone; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: BSCV301. Restriction: Sophomore standing or higher. Credit only granted for: BSOS302 or BSCV302. Formerly: BSOS302.* Capstone course required for CIVICUS citation. Supervised internship, community service, or research project on civil society topic. Application and continued study of skills and concepts, grounded in the social sciences, relevant to understanding and effectively dealing with contemporary social issues.

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| 0101 | Sue Briggs<br>M 7:00pm - 9:00pm<br>Contact instructor or department for details. | Seats (Total: 25)<br>SOM 0101 |
| 0201 | Sue Briggs<br>Tu 6:00pm - 8:00pm<br>Contact instructor or department for details. | Seats (Total: 25)<br>SOM 0101 |
| 0301 | Sue Briggs<br>W 6:00pm - 8:00pm<br>Contact instructor or department for details. | Seats (Total: 25)<br>SOM 0101 |

**BSCV309** **Civicus Seminar**

**BSCV309 Civicus Seminar; (1 credit)** Grade Method: REG/P-F/AUD.

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| 0101 | Sue Briggs<br>Contact instructor or department for details. | Seats (Total: 3) |
| 0201 | Sue Briggs<br>Contact instructor or department for details. | Seats (Total: 10) |

## BSGC Global Communities Spring 2013

**BSGC102** **Global Issues**

**BSGC102 Global Issues; (3 credits)** Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies. *Prerequisite: BSGC101. Restriction: Must be in Global Communities Living-Learning program.* An in-depth exploration of the ways in which globalization affects different issue areas, such as food security, disease, war, and the environment. Contending approaches to resolving problems, and evaluation of different policy options.

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| 0101 | Virginia Haufler<br>Tu 3:30pm - 4:45pm<br>Th 11:00am - 12:15pm | Seats (Total: 25)<br>TYD 2109<br>DOR 0128 | Discussion |
| 0102 | Virginia Haufler<br>Tu 3:30pm - 4:45pm<br>Th 2:00pm - 3:15pm | Seats (Total: 25)<br>TYD 2109<br>DOR 0128 | Discussion |
| 0103 | Virginia Haufler<br>Tu 3:30pm - 4:45pm<br>Th 9:30am - 10:45am | Seats (Total: 25)<br>TYD 2109<br>DOR 0128 | Discussion |

**BSGC302** **BSGC 302 Capstone Course: Global Connections**

**BSGC302** *(PermReq)* **BSGC 302 Capstone Course: Global Connections; (1 credit)** Grade Method: REG/P-F/AUD.
*Restriction: Must be in Global Communities Living-Learning program. Additional information: This course is limited to second-year students in the Global Communities Living-Learning Program who have completed or are in the midst of completing their Global Experience requirement.* Final component of the Global Communities curriculum. The course connects the global experience with previous BSGC coursework.

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| 0101 | Virginia Haufler<br>Contact instructor or department for details. | Seats (Total: 75) | |

**BSGC386** **Experiential Learning in Global Communities: Global Internship**

**BSGC386 Experiential Learning in Global Communities: Global Internship; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Must be in Global Communities Living-Learning program. Credit only granted for: BSGC398E or BSGC386. Formerly: BSGC398E.* Experiential Learning in Global Communities: Global Internship, will give students an opportunity to connect theory with practice.

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| 0101 | Natalie Vinski<br>Contact instructor or department for details. | Seats (Total: 10) | |

**BSGC398A** **BSGC Experiential Learning in Global Communities: Global Service; Alternative Break**

**BSGC398A** *(PermReq)* **BSGC Experiential Learning in Global Communities: Global Service: Alternative Break; (3 credits)** Grade Method: REG/P-F/AUD. Restricted to students in Global Communities.

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| 0101 | Malaika Serrano | Seats (Total: 20) |
| | TBA | DOR 0128 |

# BSOS Behavioral and Social Sciences Spring 2013

**BSOS248A** **Leadership Seminar I; Leadership Seminar I Ambassadors**
**Contact department for information to register for this course.**

**BSOS288I** **Special Topics in Behavioral and Social Sciences; Internship Practicum in the Social Sciences**

**BSOS288I** *(PermReq)* **Special Topics in Behavioral and Social Sciences: Internship Practicum in the Social Sciences; (1-3 credits)** Grade Method: REG.

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| 0101 | Kathryn Hopps | Seats (Total: 30) |
| | Contact instructor or department for details. | |

**BSOS348A** **Leadership Seminar II; Leadership Seminar II Ambassadors**
**Contact department for information to register for this course.**

**BSOS358A** **Leadership Practicum II**
**Contact department for information to register for this course.**

**BSOS358D** **Leadership Practicum II; Leadership Practicum II DSAC**
**Contact department for information to register for this course.**

**BSOS358L** **Leadership Practicum II; DSAC Officers**
**Contact department for information to register for this course.**

**BSOS358P** **Leadership Practicum II; Peer Mentors**
**Contact department for information to register for this course.**

**BSOS386** **Experiential Learning**
**Contact department for information to register for this course.**

**BSOS388E** **Behavioral and Social Sciences Special Topics; CIDCM Minor Practicum**

**BSOS388E** *(PermReq)* **Behavioral and Social Sciences Special Topics: CIDCM Minor Practicum; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**BSOS388I** **Behavioral and Social Sciences Special Topics; Social Science Internship Practicum**

**BSOS388I** *(PermReq)* **Behavioral and Social Sciences Special Topics: Social Science Internship Practicum; (1-3 credits)** Grade Method: REG.

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| 0101 | Kathryn Hopps, Jatia Wrighten | Seats (Total: 40) |
| | Contact instructor or department for details. | |

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**BSOS388Q** **Behavioral and Social Sciences Special Topics; CESAR Directed Study**
**Contact department for information to register for this course.**

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**BSOS399** **Directed Study in Behavioral and Social Sciences**
**Contact department for information to register for this course.**

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**BSOS399B** **Directed Study in Behavioral and Social Sciences**

**BSOS399B** *(PermReq)* **Directed Study in Behavioral and Social Sciences; (1-6 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Suheil Bushrui | Seats (Total: 1) |
| | Contact instructor or department for details. | |

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**BSOS399C** **Directed Study in Behavioral and Social Sciences; Civicus Undergraduate Teaching Assistant Directed Study**
**Contact department for information to register for this course.**

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**BSOS399K** **Directed Study in Behavioral and Social Sciences; Directed Study in CAPC**
**Contact department for information to register for this course.**

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**BSOS399P** **Directed Study in Behavioral and Social Sciences; Undergraduate Research**
**Contact department for information to register for this course.**

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**BSOS399Q** **Directed Study in Behavioral and Social Sciences; CESAR**

**Contact department for information to register for this course.**

**BSOS399R** **Directed Study in Behavioral and Social Sciences; Religion, Politics and the First Amendment**
**Contact department for information to register for this course.**

**BSOS448C** **Teaching Assistant Practicum; Civicus**
**Contact department for information to register for this course.**

**BSOS448D** **Teaching Assistant Practicum; Teaching Assistant Practicum DSAC**
**Contact department for information to register for this course.**

**BSOS448I** **Teaching Assistant Practicum; Internship**
**Contact department for information to register for this course.**

**BSOS448T** **Teaching Assistant Practicum; Teaching Assistant Practicum (UNIV)**
**Contact department for information to register for this course.**

## BSST Terrorism Studies Spring 2013

**BSST331** **Response to Terrorism**

**BSST331** *(PermReq)* **Response to Terrorism; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Must be in the Terrorism Studies minor program. Credit only granted for: BSOS331 or BSST331. Formerly: BSOS331.* Explores the manners in which a variety of different actors respond to both terrorist incidents and the threat of terrorism. Examines local responses to terrorists incidents; local impacts of terrorism including effects on individual and group attitudes and behaviors; policy decisions made in response to both terrorist attacks and the threat of terrorism; terrorism prevention, deterrence, interdiction, and mitigation efforts; and individual and community recovery from terrorist attacks.

| | | |
|---|---|---|
| 0101 | Katherine Izsak | Seats (Total: 35) |
| | TuTh 11:00am - 12:15pm | HBK 0109 |

**BSST338F** **Special Topics in Terrorism Studies; Media in War and Crisis**
**Contact department for information to register for this course.**

**BSST338I** **Special Topics in Terrorism Studies; Arab-Israeli Relations**

**Contact department for information to register for this course.**

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**BSST338N** **Special Topics in Terrorism Studies; Arms Control in the Nuclear Realm**
**Contact department for information to register for this course.**

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**BSST338R** **Special Topics in Terrorism Studies; Peace & Conflict Honors Seminar II: Regional Conflicts**
**Contact department for information to register for this course.**

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**BSST399B** **Individual Study in Terrorism Studies; Emerging Globla Security Issues, Part 2**

**BSST399B** *(PermReq)* **Individual Study in Terrorism Studies: Emerging Globla Security Issues, Part 2; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**BSST399L** **Individual Study in Terrorism Studies; Homeland Security**

**BSST399L** *(PermReq)* **Individual Study in Terrorism Studies: Homeland Security; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**BSST399T** **Individual Study in Terrorism Studies; Teaching Terrorism**

**BSST399T** *(PermReq)* **Individual Study in Terrorism Studies: Teaching Terrorism; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**BSST630** **Motivations and Intents of Terrorists and Terrorist Groups**

**BSST630 Motivations and Intents of Terrorists and Terrorist Groups; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in the Terrorism Analysis Graduate Certificate Program. Credit only granted for: BSOS630 or BSST630. Formerly: BSOS630.* Examines motivations for terrorism from an interdisciplinary perspective, with emphasis on political and applied social psychological perspective. Topics may include: defining terrorism; preconditions; recruitment; domestic and international terrorism; and case studies and analysis of terrorist organizations.

| | | |
|---|---|---|
| ST01 | Anthony Lemieux | Seats (Total: 25) |
| | **Meets February 26, 2013 - May 22, 2013** | |
| | W 7:00pm - 9:30pm | ONLINE |
| | Contact instructor or department for details. | |

# BUAC Accounting and Information Assurance — Spring 2013

**BUAC711** **Financial Planning and Control Systems for Managers and Consultants**

**BUAC711 Financial Planning and Control Systems for Managers and Consultants; (2 credits)** Grade Method: REG.
*Prerequisite: BUSI611, BUSI681, and BUSI630; or permission of BMGT-Robert H. Smith School of Business. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BMGT711 and BUAC711. Formerly: BMGT711.* This course provides an analysis of several topics concerning financial planning/control systems (management accounting systems). Topics covered: design and use of cost management systems (including activity based costing systems), financial performance measures for enhancing firm value, managerial incentive contracts and accounting data, management accounting and Internet-based transactions, managing earnings and financial ratios, use of balanced scorecard to evaluate financial/nonfinancial managerial performance, management accounting systems and competitor analysis, behavioral aspects of budgeting, post-auditing of capital investments, accounting/economics aspects of information security, and transfer pricing.

| | | |
|---|---|---|
| DC06 | Lawrence Gordon | Seats (Total: 40) |
| | **Meets January 26, 2013 - March 16, 2013** | |
| | Sa 1:40pm - 5:50pm | DC C2 |
| | *Meets 1/26, 2/2, 2/9, 2/23, 3/2, 3/9, Final 3/16.* | |

**BUAC743** **Financial Statement Analysis**

**BUAC743 Financial Statement Analysis; (2 credits)** Grade Method: REG. *Prerequisite: BUSI610. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business.* Provides students with the tools to conduct a financial statement analysis, which is part of an overall business analysis. This involves understanding and using the information that financial statements are communicating to users.

| | | |
|---|---|---|
| BA01 | Gary Bulmash<br>**Meets January 17, 2013 - March 8, 2013**<br>M 6:25pm - 10:00pm<br>*First course meeting will be on Thursday 1/17 at the usual time and location to make up for the Martin Luther King holiday.* | Seats (Total: 40)<br><br>BA 103 |
| DC01 | Gary Bulmash<br>**Meets January 22, 2013 - March 8, 2013**<br>W 6:25pm - 10:00pm | Seats (Total: 40)<br><br>DC C6 |

**BUAC758A** **Special Topics in Accounting and Information Assurance; Auditing for MBA's**

**BUAC758A Special Topics in Accounting and Information Assurance: Auditing for MBA's; (2 credits)** Grade Method: REG.
Click here for more course information.

| | | |
|---|---|---|
| BA01 | James McKinney<br>**Meets January 26, 2013 - March 2, 2013**<br>Sa 8:30am - 1:30pm<br>*Meets 1/26, 2/2, 2/9, 2/16, 2/23, Final 3/2.* | Seats (Total: 40)<br><br>BA 103 |

**BUAC758C** **Special Topics in Accounting and Information Assurance; Federal Income Taxation of Corporations**

**BUAC758C Special Topics in Accounting and Information Assurance: Federal Income Taxation of Corporations; (2 credits)** Grade Method: REG.

| | | |
|---|---|---|
| BA01 | Samuel Handwerger<br>**Meets March 25, 2013 - May 10, 2013**<br>W 6:25pm - 10:00pm | Seats (Total: 40)<br><br>BA 102 |

**BUAC758E** **Special Topics in Accounting and Information Assurance; Ethics for Accountants and Financial Managers**

**BUAC758E Special Topics in Accounting and Information Assurance: Ethics for Accountants and Financial Managers; (2 credits)** Grade Method: REG.
Click here for course details.

| | | |
|---|---|---|
| DC01 | James Lager | Seats (Total: 40) |
| | **Meets January 17, 2013 - March 4, 2013** | |
| | M 6:25pm - 10:00pm | DC C4 |
| | *First course meeting will be on Thursday 1/17 at usual time and locatio to make up for Martin Luther King holiday.* | |

**BUAC758F** **Special Topics in Accounting and Information Assurance; Federal Income Taxation of Individuals**

**BUAC758F Special Topics in Accounting and Information Assurance: Federal Income Taxation of Individuals; (2 credits)** Grade Method: REG.
Click here for more course information.

| | | |
|---|---|---|
| BA01 | Eugene Cantor | Seats (Total: 40) |
| | **Meets March 23, 2013 - May 18, 2013** | |
| | Sa 8:40am - 12:50pm | BA 103 |
| | *Meets 3/23, 3/30, 4/13, 4/20, 4/27, 5/11, Final 5/18.* | |

**BUAC759** **Independent Study in Accounting and Information Assurance**

**BUAC759** *(PermReq)* **Independent Study in Accounting and Information Assurance; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**BUAC786** **Internal Auditing I: Conceptual and Institutional Framework**

**BUAC786 Internal Auditing I: Conceptual and Institutional Framework; (3 credits)** Grade Method: REG.

*Restriction: Must be in Business and Management (Master's) program.* Provides students with an overview and basic understanding of internal auditing. Internal audit's role in internal control, risk management, business processes and risks, and Sarbanes-Oxley, Section 404 compliance efforts compliance efforts are considered. Internal auditing is presented as an integral part of effective corporate governance. Examples of assurance and consulting activities undertaken by the internal audit function, as well as the sourcing strategy (i.e., full insourcing, co-sourcing or full outsourcing models) are discussed. Students ae introduced tointernal control theory, test design concepts and internal auditing bestpractices.

| | | |
|---|---|---|
| GS06 | Alan Siegfried, Elizabeth Folsom | Seats (Total: 0) |
| | **Meets January 5, 2013 - March 23, 2013** | |
| | Sa 8:30am - 12:15pm | BLD2 2032 |
| | *For MS in Accounting students only. Meets 1/5, 1/12, 1/19, 1/26, 2/2, 2/16, 2/23, 3/2, 3/9, 3/16, Final 3/23.* | |

**BUAC787** **Internal Auditing II: Internal Audit Application and Practice**

**BUAC787 Internal Auditing II: Internal Audit Application and Practice; (3 credits)** Grade Method: REG.

*Prerequisite: BUAC786. Restriction: Must be in Business and Management (Master's) program.* This advanced internal auditing course contains an in-depth coverage of the internal audit process. Students receive experience in planning and conducting internal audit assurance and consulting engagements. Also, students build on the theory and techniques introduced in Internal Auditing I, through practical, in-depth coverage of specific audit areas. Other matters covered include audit evidence, workpapers, audit sampling, and communicating of engagement results. Internal auditing case studies are used to reinforce the learning process.

| | | |
|---|---|---|
| 0501 | Alan Siegfried, Elizabeth Folsom | Seats (Total: 60) |
| | **Meets March 25, 2013 - May 10, 2013** | |
| | TuTh 7:00pm - 9:45pm | VMH 1333 |
| | *For MS in Accounting students only.* | |

**BUAC788P** **Action Learning Project; Action Learning Project**

**BUAC788P Action Learning Project: Action Learning Project; (1 credit)** Grade Method: REG.

| | | |
|---|---|---|
| 0501 | Matthew Gagnon<br>**Meets January 17, 2013 - May 10, 2013**<br>F 8:30am - 3:30pm<br>*For MS in Accounting students only.* | Seats (Total: 120)<br>Location: TBA |
| GS06 | Matthew Gagnon<br>**Meets January 5, 2013 - May 4, 2013**<br>Sa 8:30am - 3:30pm<br>*For MS in Accounting students only. Meets from 5:00pm - 6:00pm on 1/5, 1/12, 1/19, 1/26, 2/2, 2/16, 2/23, 3/2, 3/9, 3/16. Meets from 8:30am - 3:30pm on 2/9, 3/30, 4/20, 5/4.* | Seats (Total: 60)<br>Location: TBA |

**BUAC788Q** **Action Learning Project**

**BUAC788Q** *(PermReq)* **Action Learning Project; (2 credits)** Grade Method: REG.

| | | |
|---|---|---|
| 0501 | Lawrence Gordon<br>**Meets January 5, 2013 - May 14, 2013**<br>F 12:00pm - 2:30pm<br>*For MS in Accounting students only.* | Seats (Total: 10)<br>VMH 4335 |
| GS06 | Lawrence Gordon<br>**Meets January 5, 2013 - May 14, 2013**<br>Contact instructor or department for details. | Seats (Total: 10) |

**BUAC790** **Informtion Security, Audit and Control**

**BUAC790 Informtion Security, Audit and Control; (3 credits)** Grade Method: REG. *Restriction: Must be in Business and Management (Master's) program.* Builds on basic information technology (IT) courses, focusing on key issues including IT security, IT controls, and IT auditing. Addressing issues such as auditing a computer information system; assessing risks; identifying control objectives; identifying appropriate audit procedures; learning the concepts and basic features or audit software thereby providing the tools for choosing audit software; conducting an operational audit basic controls over computer information systems; and developing world-class IT control frameworks.

| | | |
|---|---|---|
| 0501 | Michael Shamari | Seats (Total: 0) |
| | **Meets January 17, 2013 - March 8, 2013** | |
| | MW 7:00pm - 9:45pm | VMH 1330 |
| | *For MS in Accounting students only. First course meeting will be on Thursday 1/17 at the ususal time and location to make up for Martin Luther King holiday.* | |
| 0502 | Michael Shamari | Seats (Total: 0) |
| | **Meets January 22, 2013 - March 8, 2013** | |
| | TuTh 7:00pm - 9:45pm | VMH 1333 |
| | *For MS in Accounting students only.* | |
| GS06 | David Sites | Seats (Total: 0) |
| | **Meets January 5, 2013 - March 23, 2013** | |
| | Sa 1:15pm - 5:00pm | BLD2 2032 |
| | *For MS in Accounting students only. Meets 1/5, 1/12, 1/19, 1/26, 2/2, 2/16, 2/23, 3/2, 3/9, 3/16, Final 3/23.* | |

# BUDT Decision and Information Technologies Spring 2013

**BUDT706** **Social Media and Web 2.0**

**BUDT706 Social Media and Web 2.0; (2 credits)** Grade Method: REG. *Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Over the past years, social computing technologies such as online communities, blogs, wikis, and social networking systems have become important tools for individuals to seek information, socialize with others, get support, collaborate on work, and express themselves. Increasingly, businesses are trying to leverage web 2.0 by using social computing technologies to communicate with customers, employees, and other business partners or to build new business models. This course will review concepts and principles related to web 2.0 and examine issues and strategies associated with business use of social computing technologies.

| | | |
|---|---|---|
| 0501 | Sivakumar Viswanathan | Seats (Total: 40) |
| | **Meets January 17, 2013 - March 8, 2013** | |
| | MW 10:30am - 12:20pm | VMH 1520 |
| | *For MS in Information Systems students only. First course meeting will be on Thursday 1/17 at the usual time and location to make up for the Martin Luther King holiday.* | |

**BUDT732** **Decision Analytics**

**BUDT732 Decision Analytics; (2 credits)** Grade Method: REG.
*Prerequisite: BUSI630. Credit only granted for: BMGT732 or BUDT732. Formerly: BMGT732.* Analytical modeling for managerial decisions using a spreadsheet environment. Includes linear and nonlinear optimization models, decision making under uncertainty and simulation models.

| | | |
|---|---|---|
| 0101 | Subramanian Raghavan<br>**Meets January 22, 2013 - March 8, 2013**<br>TuTh 10:30am - 12:20pm | Seats (Total: 30)<br><br>VMH 1520 |
| 0501 | Subramanian Raghavan<br>**Meets January 22, 2013 - March 8, 2013**<br>TuTh 1:00pm - 2:50pm<br>*For MS in Information Systems students only.* | Seats (Total: 50)<br><br>VMH 1520 |
| DC01 | Ilya Ryzhov<br>**Meets March 25, 2013 - May 10, 2013**<br>Th 6:25pm - 10:00pm | Seats (Total: 40)<br><br>DC C1 |

**BUDT733** **Data Mining and Predictive Analytics**

**BUDT733 Data Mining and Predictive Analytics; (2 credits)** Grade Method: REG.
*Prerequisite: BUSI630. Credit only granted for: BMGT733 or BUDT733. Formerly: BMGT733.* Data mining techniques and their use in business decision making. A hands-on course that provides an understanding of the key methods of data visualization, exploration, classification, prediction, time series forecasting, and clustering.

| | | |
|---|---|---|
| BA01 | Margret Bjarnadottir<br>**Meets January 22, 2013 - March 8, 2013**<br>Tu 6:25pm - 10:00pm | Seats (Total: 40)<br><br>BA 103 |
| DC01 | Margret Bjarnadottir<br>**Meets January 17, 2013 - March 8, 2013**<br>M 6:25pm - 10:00pm<br>*First course meeting will be on Thursday 1/17 at the usual time and location to make up for the Martin Luther King holiday.* | Seats (Total: 40)<br><br>DC C3 |

**BUDT758E** **Special Topics in Decision, Operations and Information Technologies; Enterprise Architecture**

**BUDT758E Special Topics in Decision, Operations and Information Technologies: Enterprise Architecture; (2 credits)** Grade Method: REG.

| | | |
|---|---|---|
| 0501 | Daniel Spar | Seats (Total: 40) |
| | **Meets January 28, 2013 - March 11, 2013** | |
| | M 5:00pm - 8:30pm | VMH 1335 |
| | *For MS in Information Systems students only.* | |

**BUDT758F** **Special Topics in Decision, Operations and Information Technologies; Google Online Challenge and Analytics**

**BUDT758F Special Topics in Decision, Operations and Information Technologies: Google Online Challenge and Analytics; (2 credits)** Grade Method: REG.

| | | |
|---|---|---|
| 0501 | Sivakumar Viswanathan, Il-Horn Hann | Seats (Total: 36) |
| | **Meets March 25, 2013 - May 10, 2013** | |
| | MW 8:30am - 10:20am | VMH 1518 |
| | *For MS in Information Systems students only.* | |

**BUDT758G** **Special Topics in Decision, Operations and Information Technologies; Global Delivery of IT and Service Innovations**

**BUDT758G Special Topics in Decision, Operations and Information Technologies: Global Delivery of IT and Service Innovations; (2 credits)** Grade Method: REG.

| | | |
|---|---|---|
| 0501 | David McCue | Seats (Total: 38) |
| | **Meets March 25, 2013 - May 10, 2013** | |
| | MW 1:00pm - 2:50pm | VMH 1518 |
| | *For MS in Information Systems students only.* | |
| DC01 | David McCue | Seats (Total: 40) |
| | **Meets January 22, 2013 - March 8, 2013** | |
| | Tu 6:25pm - 10:00pm | DC C4 |
| | *Click here for course details.* | |

**BUDT758K** **Special Topics in Decision, Operations and Information Technologies; Computer Simulation for Business Applications**

**BUDT758K Special Topics in Decision, Operations and Information Technologies: Computer Simulation for Business Applications; (2 credits)** Grade Method: REG.

| | | |
|---|---|---|
| 0101 | Sean Barnes<br>**Meets March 25, 2013 - May 10, 2013**<br>TuTh 10:30am - 12:20pm | Seats (Total: 10)<br><br>VMH 1505 |
| 0501 | Sean Barnes<br>**Meets March 25, 2013 - May 10, 2013**<br>TuTh 10:30am - 12:20pm<br>*For MS in Information Systems students only.* | Seats (Total: 50)<br><br>VMH 1505 |

**BUDT758M** **Special Topics in Decision, Operations and Information Technologies; Healthcare Information Systems**

**BUDT758M Special Topics in Decision, Operations and Information Technologies: Healthcare Information Systems; (2 credits)** Grade Method: REG.

| | | |
|---|---|---|
| 0501 | Barnet Corwin<br>**Meets March 25, 2013 - May 10, 2013**<br>MW 3:00pm - 4:50pm<br>*For MS in Information Systems students only.* | Seats (Total: 40)<br><br>VMH 2511 |

**BUDT758Q** **Special Topics in Decision, Operations and Information Technologies; IS Security**

**BUDT758Q Special Topics in Decision, Operations and Information Technologies: IS Security; (2 credits)** Grade Method: REG.

| | | |
|---|---|---|
| 0501 | Donald Riley<br>**Meets March 25, 2013 - May 10, 2013**<br>TuTh 8:30am - 10:20am<br>*For MS in Information Systems students only.* | Seats (Total: 0)<br><br>VMH 1505 |
| 0502 | Donald Riley<br>**Meets March 25, 2013 - May 10, 2013**<br>TuTh 3:00pm - 4:50pm<br>*For MS in Information Systems students only.* | Seats (Total: 0)<br><br>VMH 1505 |

**BUDT758R** **Special Topics in Decision, Operations and Information Technologies; Operations and Supply Chain Strategy**

**BUDT758R Special Topics in Decision, Operations and Information Technologies: Operations and Supply Chain Strategy; (2 credits)** Grade Method: REG.

| | | |
|---|---|---|
| 0101 | Pamela Armstrong<br>**Meets March 25, 2013 - May 10, 2013**<br>MW 1:00pm - 2:50pm | Seats (Total: 18)<br><br>VMH 2511 |
| BA01 | Pamela Armstrong<br>**Meets March 25, 2013 - May 10, 2013**<br>W 6:25pm - 10:00pm | Seats (Total: 40)<br><br>BA 101 |

**BUDT759** **Independent Study in Decision and Information Technologies**

**BUDT759** *(PermReq)* **Independent Study in Decision and Information Technologies; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**BUDT775** **Pricing and Revenue Management**

**BUDT775 Pricing and Revenue Management; (2 credits)** Grade Method: REG. *Prerequisite: BUSI630. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUDT758D or BUDT775. Formerly: BUDT758D.* Specialized course on pricing and revenue management (PRM) that provides students with tools and principles, drawn from several disciplines (Operations, Microeconomics, Decision Modeling, Statistics, Marketing, IS) to make effective pricing decisions. Topics covered include economics of pricing, strategy and tactics of PRM, pricing optimization, differentiated pricing, dynamic pricing, mark-down pricing, legal and ethical issues in models/methods used in making effective PRM decisions and managerial or organizational factors that hold the key to success in execution of PRM.

| | | |
|---|---|---|
| 0101 | Yi Xu<br>**Meets March 25, 2013 - May 10, 2013**<br>MW 8:30am - 10:20am | Seats (Total: 40)<br><br>VMH 1505 |

| | | |
|---|---|---|
| DC06 | Sharon Hormby<br>**Meets March 23, 2013 - May 18, 2013**<br>Sa 1:40pm - 5:50pm<br>*Meets 3/23, 3/30, 4/13, 4/20, 4/27, 5/11, Final 5/18.* | Seats (Total: 40)<br><br>DC C6 |

# BUFN Finance Spring 2013

**BUFN738** **Investment Fund Management**
**Contact department for information to register for this course.**

**BUFN738A** **Investment Fund Management; Investment Fund Management: Mayer Fund**
**Contact department for information to register for this course.**

**BUFN738B** **Investment Fund Management; New Market's Venture Fund**
**Contact department for information to register for this course.**

**BUFN740** **Capital Markets**

**BUFN740 Capital Markets; (2 credits)** Grade Method: REG.
*Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).*
Designed to deepen the foundations necessary to finance focused students, especially those intending to specialize in the quantitative areas of finance including investments, fixed income, and financial engineering.

| | | |
|---|---|---|
| 0101 | Michael Padhi<br>**Meets January 17, 2013 - March 8, 2013**<br>MW 10:30am - 12:20pm<br>*First course meeting will be on Thursday 1/17 at the usual time and location to make up for the Martin Luther King holiday.* | Seats (Total: 40)<br><br>VMH 2511 |
| DC01 | Michael Padhi<br>**Meets January 22, 2013 - March 8, 2013**<br>W 6:25pm - 10:00pm | Seats (Total: 40)<br><br>DC C2 |
| GS01 | Michael Padhi<br>**Meets January 22, 2013 - March 8, 2013**<br>Tu 6:25pm - 10:00pm | Seats (Total: 40)<br><br>BLD2 3032 |

**BUFN750 Valuation in Corporate Finance**

Any remaining seats in BUFN courses will be available to the following groups of students: Students admitted/graduates of UMCP master or PhD program and students admitted/graduates of an AACSB-accredited masters program. Students outside the department should contact the Smith School of Business Masters Program Office starting the first day of registration for specific instructions on how to request a BUFN course. Requests for courses will be reviewed approximately two weeks before the start of the semester. For all course sections with GS, class will be held at the Shady Grove Campus. For all course sections with DC, class will be held at the Ronald Reagan Building/International Trade Center. For all course sections with BA, class will be held at the UMB BioPark Two.

***For weekend courses, students are responsible for checking their schedule for course conflicts. If a student is registered for weekend courses that conflict, the student should make adjustments to their schedule. If changes are not made, the department can drop the course that was last added to cause the conflict.***

**BUFN750 Valuation in Corporate Finance; (2 credits)** Grade Method: REG. *Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN714 or BUFN750. Formerly: BUFN714.* An advanced topics course in Corporate Finance dealing with valuation. Main topics will be, building pro forma statements, cost of capital, using ratios and comparables to value projects and firms, dicounted cash flow valuations, WACC and APV methods of valuation and Real Option Valuations.

| | | |
|---|---|---|
| 0101 | Dalida Kadyrzhanova<br>**Meets January 17, 2013 - March 8, 2013**<br>MW 1:00pm - 2:50pm<br>*First course meeting will be on Thursday 1/17 at the usual time and location to make up for the Martin Luther King holiday.* | Seats (Total: 38)<br><br>VMH 1518 |
| 0201 | Dalida Kadyrzhanova<br>**Meets January 17, 2013 - March 8, 2013**<br>MW 3:00pm - 4:50pm<br>*First course meeting will be on Thursday 1/17 at the usual time and location to make up for the Martin Luther King holiday.* | Seats (Total: 38)<br><br>VMH 1518 |
| DC01 | Dalida Kadyrzhanova<br>**Meets January 22, 2013 - March 8, 2013**<br>Th 6:25pm - 10:00pm | Seats (Total: 40)<br><br>DC C4 |

| | | |
|---|---|---|
| DC06 | Dalida Kadyrzhanova<br>**Meets January 26, 2013 - March 16, 2013**<br>Sa 8:40am - 12:50pm<br>*Meets 1/26, 2/2, 2/9, 2/23, 3/2, 3/9, Final 3/16.* | Seats (Total: 40)<br><br>DC C3 |

**BUFN751** **Financial Strategy For Corporations**

**BUFN751 Financial Strategy For Corporations; (2 credits)** Grade Method: REG. *Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* An advanced course in corporate finance, focusing on the issues that firms face when they plan to raise external capital from financial markets. The focus is on the financing problems faced by mid-market to large firms and on capital raised from public markets. The forms of external finance vary from simple debt or equity to more complex securities that bundle with an element of risk management.

| | | |
|---|---|---|
| 0101 | Michael Faulkender<br>**Meets March 25, 2013 - May 10, 2013**<br>TuTh 8:30am - 10:20am | Seats (Total: 50)<br><br>VMH 1511 |
| 0501 | Michael Faulkender<br>**Meets March 25, 2013 - May 10, 2013**<br>TuTh 10:30am - 12:20pm<br>*For MS in Finance students only.* | Seats (Total: 49)<br><br>VMH 1511 |
| DC01 | Michael Faulkender<br>**Meets March 25, 2013 - May 10, 2013**<br>W 6:25pm - 10:00pm | Seats (Total: 50)<br><br>DC C3 |
| DC51 | Michael Faulkender<br>**Meets March 25, 2013 - May 10, 2013**<br>W 2:00pm - 5:35pm<br>*For MS in Finance students only.* | Seats (Total: 45)<br><br>DC C2 |

**BUFN752** **Financial Restructuring**

**BUFN752 Financial Restructuring; (2 credits)** Grade Method: REG.
*Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN716 or BUFN752. Formerly: BUFN716.* Focuses on identifying ways to increase firm value through corporate restructuring. Specific topics include: mergers and tender offers, spin-offs, carve-outs, divestitures, takeover defense strategies, leveraged buy-outs, and international acquisitions. Additionally, the theory, practice and empirical evidence related to each of these topics will be covered. Emphasis will be placed on valuation analysis and strategic considerations.

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|---|---|---|
| 0101 | Richmond Mathews<br>**Meets January 22, 2013 - March 8, 2013**<br>TuTh 10:30am - 12:20pm | Seats (Total: 45)<br><br>VMH 1511 |
| BA01 | Richmond Mathews<br>**Meets January 22, 2013 - March 8, 2013**<br>Tu 6:25pm - 10:00pm | Seats (Total: 40)<br><br>BA 102 |
| DC51 | Youngsuk Yook<br>**Meets January 17, 2013 - March 8, 2013**<br>M 2:00pm - 5:35pm<br>*For MS in Finance students only. First course meeting will be on Thursday 1/17 at usual time and location to make up for Martin Luther/King holiday.* | Seats (Total: 45)<br><br>DC C2 |
| GS01 | Richmond Mathews<br>**Meets January 22, 2013 - March 8, 2013**<br>Th 6:25pm - 10:00pm | Seats (Total: 40)<br><br>Location: TBA |

**BUFN754** **Corporate Risk Management**

**BUFN754 Corporate Risk Management; (2 credits)** Grade Method: REG.
*Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Surveys the theory and practice of financial risk identification, measurement, and mitigation at financial and non-financial firms. Topics will include hedging with options and futures, interest rate risk management, Value-at-Risk (VaR), Cashflow-at-Risk (CaR), Earnings-at-Risk (EaR), credit risk, equity risk, commodities risk, exchange rate risk, and lessons from risk management disasters.

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|---|---|---|
| 0501 | Clifford Rossi<br>**Meets January 17, 2013 - March 8, 2013**<br>MW 10:30am - 12:20pm<br>*For MS in Finance students only. First course meeting will be on Thursday 1/17 at usual time and location to make up for Martin Luther King holiday."* | Seats (Total: 45)<br>VMH 1511 |
| DC01 | Clifford Rossi<br>**Meets January 17, 2013 - March 8, 2013**<br>M 6:25pm - 10:00pm<br>*First course meeting will be on Thursday 1/17 at usual time and locatio to make up for Martin LutherKing holiday.* | Seats (Total: 40)<br>DC C2 |
| DC51 | Clifford Rossi<br>**Meets January 17, 2013 - March 8, 2013**<br>W 2:00pm - 5:35pm<br>*For MS in Finance students only.* | Seats (Total: 45)<br>DC C2 |

**BUFN755** **Entrepreneurial Finance and Private Equity**

**BUFN755 Entrepreneurial Finance and Private Equity; (2 credits)** Grade Method: REG.
*Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUSI647 or BUFN755. Formerly: BUSI647.* An advanced topics course in Corporate Finance. The major emphasis is how financiers help growing firms - and in particular young start-ups - using different types of securities at different points in the industry's and firm's life. Financing arrangements and securities studied will include private equity funds and private financings placements, Venture Capital (VC) and preferred equity, Investment Banks through Initial Public Offerings (IPOs), Private equity finds, debt and leveraged buyouts. Students will learn additional techniques that will help them understand how financiers value firms and how to understand, plan and value different financing strategies.

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|---|---|---|
| 0101 | Stephen Wallenstein<br>**Meets March 25, 2013 - May 10, 2013**<br>MW 10:30am - 12:20pm | Seats (Total: 40)<br>VMH 1511 |

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|---|---|---|
| 0501 | Stephen Wallenstein<br>**Meets March 25, 2013 - May 10, 2013**<br>MW 8:30am - 10:20am<br>*For MS in Finance students only.* | Seats (Total: 45)<br><br>VMH 1511 |
| BA01 | Zane Williams<br>**Meets March 25, 2013 - May 10, 2013**<br>M 6:25pm - 10:00pm | Seats (Total: 40)<br><br>BA 103 |
| DC51 | Stephen Wallenstein<br>**Meets March 25, 2013 - May 10, 2013**<br>M 2:00pm - 5:35pm<br>*For MS in Finance students only.* | Seats (Total: 45)<br><br>DC C2 |

**BUFN758D** **Special Topics in Finance; Financial Data Modeling**

**BUFN758D Special Topics in Finance: Financial Data Modeling; (2 credits)** Grade Method: REG.

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|---|---|---|
| 0501 | Olesya Grishchenko<br>**Meets January 17, 2013 - March 8, 2013**<br>MW 8:30am - 10:20am<br>*For MS in Finance students only. First course meeting will be on Thursday 1/17 at usual time and location to make up for Martin Luther Ki ng holiday.* | Seats (Total: 45)<br><br>VMH 1511 |
| DC51 | Olesya Grishchenko<br>**Meets January 17, 2013 - March 8, 2013**<br>M 2:00pm - 5:35pm<br>*For MS in Finance students only. First course meeting will be on Thursday 1/17 at usual time and location to make up for Martin Luther Ki ng holiday.* | Seats (Total: 45)<br><br>DC C1 |

**BUFN758G** **Special Topics in Finance; Sustainability and Investing**

**BUFN758G Special Topics in Finance: Sustainability and Investing; (2 credits)** Grade Method: REG.

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|---|---|---|
| DC06 | Cary Krosinsky<br>**Meets March 30, 2013 - April 27, 2013**<br>Sa 9:00am - 6:00pm<br>*Meets 3/30, 4/13, 4/27.* | Seats (Total: 40)<br>DC C4 |

**BUFN758L** **Special Topics in Finance; Hedge Fund Management**

**BUFN758L Special Topics in Finance: Hedge Fund Management; (3 credits)**
Grade Method: REG.
For MS in Finance students only.

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|---|---|---|
| 0501 | Kenneth Brodkowitz<br>MW 9:30am - 10:45am | Seats (Total: 10)<br>VMH 1411 |

**BUFN758N** **Special Topics in Finance; Financial Econometrics**

**BUFN758N Special Topics in Finance: Financial Econometrics; (2 credits)** Grade Method: REG.

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|---|---|---|
| 0501 | Alberto Rossi<br>**Meets January 22, 2013 - March 8, 2013**<br>W 5:00pm - 8:35pm<br>*For MS in Finance students only.* | Seats (Total: 46)<br>VMH 1336 |
| 0502 | Alberto Rossi<br>**Meets January 17, 2013 - March 8, 2013**<br>M 5:00pm - 8:35pm<br>*For MS in FInance students only. First course meeting will be on Thursday 1/17 at usual time and location to make up for Martin Luther King holiday.* | Seats (Total: 46)<br>VMH 1336 |
| DC51 | Alberto Rossi<br>**Meets January 22, 2013 - March 8, 2013**<br>Tu 2:00pm - 5:35pm<br>*For MS in Finance students only.* | Seats (Total: 60)<br>DC C2 |
| DC52 | Alberto Rossi<br>**Meets January 22, 2013 - March 8, 2013**<br>Th 2:00pm - 5:35pm<br>*For MS in Finance students only.* | Seats (Total: 60)<br>DC C2 |

**BUFN758O** **Special Topics in Finance; Financial Econometrics II**

**BUFN758O Special Topics in Finance: Financial Econometrics II; (2 credits)** Grade Method: REG.

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|---|---|---|
| 0501 | Georgios Skoulakis<br>**Meets March 25, 2013 - May 10, 2013**<br>W 5:00pm - 8:35pm<br>*For MS in Finance studetns only.* | Seats (Total: 46)<br><br>VMH 1336 |
| 0502 | Georgios Skoulakis<br>**Meets March 25, 2013 - May 10, 2013**<br>M 5:00pm - 8:35pm<br>*For MS in Finance students only.* | Seats (Total: 46)<br><br>VMH 1336 |
| DC51 | Georgios Skoulakis<br>**Meets March 25, 2013 - May 10, 2013**<br>Tu 2:00pm - 5:35pm<br>*For MS in Finance students only.* | Seats (Total: 60)<br><br>DC C2 |
| DC52 | Georgios Skoulakis<br>**Meets March 25, 2013 - May 10, 2013**<br>Th 2:00pm - 5:35pm<br>*For MS in Finance students only.* | Seats (Total: 60)<br><br>DC C1 |

**BUFN759** **Independent Study in Finance**

**BUFN759** *(PermReq)* **Independent Study in Finance; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**BUFN760** **Applied Equity Analysis**

**BUFN760 Applied Equity Analysis; (2 credits)** Grade Method: REG.
*Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN702 or BUFN760. Formerly: BUFN702.* Students will learn to analyze equity securities using the basic EIC (Economy/Industry/Company) framework used in the financial industry, paying special attention to financial statement analysis. Students also will learn the primary valuation techniques used to estimate market values for equity securities.

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|---|---|---|
| 0101 | Sarah Kroncke<br>**Meets January 22, 2013 - March 8, 2013**<br>TuTh 1:00pm - 2:50pm | Seats (Total: 40)<br><br>VMH 1528 |
| DC52 | Sarah Kroncke<br>**Meets March 25, 2013 - May 10, 2013**<br>M 2:00pm - 5:35pm<br>*For MS in Finance students only.* | Seats (Total: 45)<br><br>DC C1 |

**BUFN761** **Derivative Securities**

**BUFN761 Derivative Securities; (2 credits)** Grade Method: REG.
*Prerequisite: BUFN740. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN726 or BUFN761. Formerly: BUFN726.* Standard types of derivatives contracts are presented, and illustrated as to how they are used in practice. The theory of pricing these contracts is then presented in detail. The use of static and dynamic replication strategies, and the concept of no-arbitrage strategies is illustrated in numerous ways. Standard valuation techniques are covered, and standard formulas are presented. The theory is then applied to develop specific pricing and hedging strategies for various types of derivatives on different underlying assets. The management of the exposure of various risks is covered in detail as well.

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|---|---|---|
| 0101 | Clifford Rossi<br>**Meets March 25, 2013 - May 10, 2013**<br>TuTh 10:30am - 12:20pm | Seats (Total: 40)<br><br>VMH 1520 |
| DC01 | Dilip Madan<br>**Meets March 25, 2013 - May 10, 2013**<br>M 6:25pm - 10:00pm | Seats (Total: 40)<br><br>DC C3 |

**BUFN762** **Fixed Income Analysis**

**BUFN762 Fixed Income Analysis; (2 credits)** Grade Method: REG.
*Prerequisite: BUFN740. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN731 or BUFN762. Formerly: BUFN731.* Describes important financial instruments which have market values that are sensitive to interest rate movements. Develops tools to analyze interest rate sensitivity and value fixed income securities. Defines and explains the vocabulary of the bond management business.

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|---|---|---|
| DC01 | Mark Taranto<br>**Meets January 22, 2013 - March 8, 2013**<br>Tu 6:25pm - 10:00pm | Seats (Total: 40)<br><br>DC C2 |
| DC51 | Mark Taranto<br>**Meets January 22, 2013 - March 8, 2013**<br>Tu 2:00pm - 5:35pm<br>*For MS in Finance students only.* | Seats (Total: 45)<br><br>DC C1 |

**BUFN763** **Portfolio Management**

**BUFN763 Portfolio Management; (2 credits)** Grade Method: REG.
*Prerequisite: BUFN740. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN700 or BUFN763. Formerly: BUFN700.* Provides training that is important in understanding the investment process - the buy side of the financial world. Specifically, the objective is to provide graduate-level instruction in the following topics, both in theory and in using financial markets data to test the basic theory and practice of portfolio choice and equilibrium pricing models and their implications for efficient portfolios.

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|---|---|---|
| 0501 | Mark Loewenstein<br>**Meets January 22, 2013 - March 8, 2013**<br>TuTh 8:30am - 10:20am<br>*For MS in Finance students only.* | Seats (Total: 45)<br><br>VMH 1505 |
| DC01 | Russell Wermers<br>**Meets January 22, 2013 - March 8, 2013**<br>W 6:25pm - 10:00pm | Seats (Total: 40)<br><br>DC C4 |

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|---|---|---|
| DC51 | Mark Loewenstein<br>**Meets January 22, 2013 - March 8, 2013**<br>Th 2:00pm - 5:35pm<br>*For MS in Finance students only.* | Seats (Total: 45)<br><br>DC C3 |
| DC52 | Mark Loewenstein<br>**Meets January 22, 2013 - March 8, 2013**<br>W 2:00pm - 5:35pm<br>*For MS in Finance students only.* | Seats (Total: 45)<br><br>DC C3 |

**BUFN764** **Quantitative Investment Strategy**

**BUFN764 Quantitative Investment Strategy; (2 credits)** Grade Method: REG. *Prerequisite: BUFN763. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.* Provides an introduction to quantitative techniques of selecting equities, as used commonly among long-short equity hedge funds and other quantitative equity asset management companies. Statistical factor models are developed to locate stocks with higher expected returns, based on the observable characteristics of the stocks. Implementation issues, including statistical estimation, backtesting and portfolio construction, are covered, as is performance evaluation.

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| 0501 | Russell Wermers<br>**Meets March 25, 2013 - May 10, 2013**<br>MW 10:30am - 12:20pm<br>*For MS in Finance students only.* | Seats (Total: 40)<br><br>VMH 1518 |
| DC01 | Russell Wermers<br>**Meets March 25, 2013 - May 10, 2013**<br>Tu 6:25pm - 10:00pm | Seats (Total: 40)<br><br>DC C4 |
| DC51 | Russell Wermers<br>**Meets March 25, 2013 - May 10, 2013**<br>Th 2:00pm - 5:35pm<br>*For MS in Finance students only.* | Seats (Total: 45)<br><br>DC C2 |

**BUFN765** **Fixed Income Derivatives**

**BUFN765 Fixed Income Derivatives; (2 credits)** Grade Method: REG.
*Prerequisite: BUFN762. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN731 or BUFN765. Formerly: BUFN731.* Surveys fixed income assets and related securities such as Exchange-traded bond options; bonds with embedded options; floating rate notes; caps, collars, and floors; floating rate notes with embedded options. Also surveys advanced tools for interest-rate and fixed-income portfolio management, including the use of derivative securities, and the application of binomial trees for analysis of options, and a sound understanding of stochastic yield curves.

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|---|---|---|
| 0501 | Mark Taranto<br>**Meets January 22, 2013 - March 8, 2013**<br>TuTh 10:30am - 12:20pm<br>*For MS in Finance students only.* | Seats (Total: 45)<br><br>VMH 1528 |
| DC51 | Haluk Unal<br>**Meets January 22, 2013 - March 8, 2013**<br>Tu 9:25am - 1:00pm<br>*For MS in Finance students only.* | Seats (Total: 45)<br><br>DC C3 |

**BUFN766** **Financial Engineering**

**BUFN766 Financial Engineering; (2 credits)** Grade Method: REG.
*Prerequisite: BUFN740. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN735 or BUFN766. Formerly: BUFN735.* Develop Excel and Visual Basic (VBA) models to solve problems related to portfolio management, options valuation, fixed income securities, interest rate processes, and risk management. This course thus bridges theory with the design of algorithms and models that can be directly applied in practice.

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| 0501 | Mark Taranto<br>**Meets March 25, 2013 - May 10, 2013**<br>MW 3:00pm - 4:50pm<br>*For MS in Finance students only.* | Seats (Total: 45)<br><br>VMH 1505 |

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|---|---|---|
| DC01 | Mark Taranto<br>**Meets March 25, 2013 - May 10, 2013**<br>Th 6:25pm - 10:00pm | Seats (Total: 40)<br><br>DC C2 |
| DC51 | Mark Taranto<br>**Meets March 25, 2013 - May 10, 2013**<br>Tu 2:00pm - 5:35pm<br>*For MS in Finance students only.* | Seats (Total: 45)<br><br>DC C1 |

**BUFN772** **Bank Management**

**BUFN772 Bank Management; (2 credits)** Grade Method: REG/AUD. *Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN722 or BUFN772. Formerly: BUFN722.* Analyze and discuss readings in bank management,with primary focus on the measurement and management of risk, including credit, market, and interest rate risk. Look at the management of liquid reserves. Examine the special nature of financial institutions, incorporating their functions, policies, services, and regulation. Study the evolving nature of the financial services industry, by reading the financial press and by having outside practitioner speakers. Focus is on U.S. banks.

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| 0501 | Joseph Colantuoni<br>**Meets March 25, 2013 - May 10, 2013**<br>M 5:00pm - 8:35pm<br>*For MS in Finance students only.* | Seats (Total: 45)<br><br>VMH 1335 |
| DC51 | Joseph Colantuoni<br>**Meets January 17, 2013 - March 8, 2013**<br>W 2:00pm - 5:35pm<br>*For MS in Finance students only.* | Seats (Total: 45)<br><br>DC C1 |

**BUFN773** **Institutional Asset Management**

**BUFN773 Institutional Asset Management; (2 credits)** Grade Method: REG. *Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Examines how money is managed by organizations such as university endowments, pension funds, mutual funds, hedge funds, and private equity funds. Involves a mixture of finance and economics and emphasizes the incentives professional money managers face within the context of the organizational structure in which they operate. Particular attention is paid to compensation structures and monitoring mechanisms.

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| 0101 | Albert Kyle<br>**Meets January 22, 2013 - March 8, 2013**<br>TuTh 8:30am - 10:20am | Seats (Total: 40)<br><br>VMH 1511 |
| BA01 | Albert Kyle<br>**Meets January 22, 2013 - March 8, 2013**<br>Th 6:25pm - 10:00pm | Seats (Total: 40)<br><br>BA 101 |

## BULM Logistics, Business, and Public Policy — Spring 2013

**BULM720** **The Green Supply Chain**

**BULM720 The Green Supply Chain; (2 credits)** Grade Method: REG. *Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* In response to international regulation of carbon emissions and increasing corporate responsibility pressures, companies are seeking to develop greener supply chains. Companies such as WalMart have undergone a paradigm shift in how they manage their businesses to emphasize environmental stewardship and due diligence on product sustainability. Students are provided with key concepts and tools for designing and managing environmentally sustainable, low-impact supply chains.

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|---|---|---|
| 0501 | Taylor Wilkerson<br>**Meets March 25, 2013 - May 10, 2013**<br>TuTh 6:40pm - 8:30pm<br>*For MS in Supply Chain students only.* | Seats (Total: 0)<br><br>VMH 1202 |

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|---|---|---|
| 0502 | Taylor Wilkerson<br>**Meets March 25, 2013 - May 10, 2013**<br>TuTh 3:00pm - 4:50pm<br>*For MS in Supply Chain students only.* | Seats (Total: 0)<br><br>VMH 1520 |

**BULM724** **Negotiations in Supply Chain Management**

**BULM724 Negotiations in Supply Chain Management; (2 credits)** Grade Method: REG.
*Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* This high experiential course will improve students' negotiation skills and capacity to acquire and effectively use power. By using a variety of assessment tools, feedback sources, skill-building exercises, and exercise debriefings, the class will increase students' negotiating self-confidence and improve their capacity to achieve win-win solutions to individual, team, and organizational problems. The course is designed to enhance students negotiating self confidence and improve students analytical skills, interpersonal skills, creativity (e.g., identifying creative solutions to conflict), and persuasive abilities.

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| 0501 | Martin Sullivan<br>**Meets January 22, 2013 - March 8, 2013**<br>TuTh 6:40pm - 8:30pm<br>*For MS in Supply Chain students only.* | Seats (Total: 0)<br><br>VMH 1520 |
| 0502 | Vijaya Venkataramani<br>**Meets January 22, 2013 - March 8, 2013**<br>TuTh 3:00pm - 4:50pm<br>*For MS in Supply Chain students only.* | Seats (Total: 0)<br><br>VMH 1520 |

**BULM733** **Global Trade Logistics**

**BULM733 Global Trade Logistics; (2 credits)** Grade Method: REG.
*Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BMGT773 or BULM733. Formerly: BMGT773.* Acquaints students with managerial issues in international logistics and transportation, and provides students with an understanding of issues related to import/export management and the global marketplace.

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| BA01 | Gary Cohen<br>**Meets February 2, 2013 - March 2, 2013**<br>Sa 8:30am - 6:00pm<br>*Meets 2/2, 2/16, 3/2.* | Seats (Total: 40)<br><br>BA 104 |

**BULM734** **Assessing and Managing Supply Chain Risks**

**BULM734 Assessing and Managing Supply Chain Risks; (3 credits)** Grade Method: REG.
*Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Supply chain managers are facing an increasingly volatile operating environment, with constant danger of trading community disruption from business, social and environmental risks. Students are provided with a working knowledge of both the core techniques of supply chain risk assessment and mitigation; as well as best practices in establishing formal corporate supply chain risk management programs. A semester-long X-Treme Supply Chain Simulation will enable students to gain hands-on experience in navigating a computer company through a complex and risky four quarters of global business operations.

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|---|---|---|
| 0501 | Sandor Boyson<br>**Meets March 25, 2013 - May 10, 2013**<br>TuTh 3:30pm - 6:10pm<br>*For MS in Supply Chain students only.* | Seats (Total: 0)<br><br>VMH 1212 |
| 0502 | Sandor Boyson<br>**Meets March 25, 2013 - May 10, 2013**<br>TuTh 6:30pm - 9:10pm<br>*For MS in Supply Chain students only.* | Seats (Total: 0)<br><br>VMH 1206 |

**BULM736** **Executives in Supply Chain Management**

**BULM736 Executives in Supply Chain Management; (3 credits)** Grade Method: REG.

*Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Designed to provide students an opportunity to engage in intensive interaction with senior supply chain executives from a cross-section of industries. Executives share their insights on leading competitive supply chains in the global marketplace, while students research the competitive supply chain dynamics of each executive's industry.

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|---|---|---|
| 0501 | Lisa Harrington | Seats (Total: 0) |
| | **Meets January 22, 2013 - May 10, 2013** | |
| | W 6:00pm - 8:30pm | VMH 1528 |
| | *For MS in Supply Chain students only.* | |

**BULM744** **Global Supply Chain Risk Management**

**BULM744 Global Supply Chain Risk Management; (2 credits)** Grade Method: REG.

*Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; and permission of BMGT-Robert H. Smith School of Business.* Explores methods to build enterprise resillience from the perspectives of the supply chain planner and supply chain manager. Addresses concerns assessing strategic & operational risks, day to day uncertainties in demand & supply and ensuring business continuity after low probability but high impact events such as a terrorist attack or earthquake.

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|---|---|---|
| DC06 | Sandor Boyson | Seats (Total: 40) |
| | **Meets March 9, 2013 - April 13, 2013** | |
| | Sa 8:30am - 6:00pm | DC C6 |
| | *Meets 3/9, 3/23, 4/13.* | |

**BULM758B** **Special Topics in Logistics, Business and Public Policy; Supply Chain Strategy**

**BULM758B Special Topics in Logistics, Business and Public Policy: Supply Chain Strategy; (3 credits)** Grade Method: REG.

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|---|---|---|
| 0501 | Martin Dresner<br>**Meets January 22, 2013 - March 8, 2013**<br>TuTh 3:30pm - 6:10pm<br>*For MS in Supply Chain students only.* | Seats (Total: 0)<br><br>VMH 1212 |
| 0502 | Koki Nagata<br>**Meets January 22, 2013 - March 8, 2013**<br>TuTh 6:30pm - 9:10pm<br>*For MS in Supply Chain students only.* | Seats (Total: 0)<br><br>VMH 1206 |

**BULM758M** **Special Topics in Logistics, Business and Public Policy; Emerging Economies, Government Policies, and International Trade**

**BULM758M Special Topics in Logistics, Business and Public Policy: Emerging Economies, Government Policies, and International Trade; (2 credits)** Grade Method: REG.

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|---|---|---|
| BA01 | Jahangir Boroumand<br>**Meets March 25, 2013 - May 10, 2013**<br>M 6:25pm - 10:00pm | Seats (Total: 40)<br><br>BA 101 |
| DC01 | Jahangir Boroumand<br>**Meets March 25, 2013 - May 10, 2013**<br>W 6:25pm - 10:00pm | Seats (Total: 40)<br><br>DC C6 |

**BULM758P** **Special Topics in Logistics, Business and Public Policy; Political and Social Environment of the Multinational Firm**

**BULM758P Special Topics in Logistics, Business and Public Policy: Political and Social Environment of the Multinational Firm; (1 credit)** Grade Method: REG. Credit will be granted for only one of the following: BULM758M or BULM758P. Do not register if you have taken "Emerging Economies; Government Policies, and Internationl Trade".

| | | |
|---|---|---|
| GS01 | Bennet Zelner<br>**Meets February 23, 2013 - March 2, 2013**<br>Sa 9:30am - 4:30pm | Seats (Total: 40)<br><br>BLD2 3032 |

**BULM759** **Independent Study in Logistics Management**

**BULM759** *(PermReq)* **Independent Study in Logistics Management; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# BUMK Marketing Spring 2013

**BUMK701** **Marketing Research Methods**

**BUMK701 Marketing Research Methods; (2 credits)** Grade Method: REG. *Prerequisite: BUSI650 and BUSI630. Credit only granted for: BMGT752 or BUMK701. Formerly: BMGT752.* The process of acquiring, classifying and interpreting primary and secondary marketing data needed for intelligent, profitable marketing decisions. Evaluation of the appropriateness of alternative methodologies, such as the inductive, deductive, survey, observational, and experimental. Recent developments in the systematic recording and use of internal and external data needed for marketing decisions.

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|---|---|---|
| 0101 | Tao Chen | Seats (Total: 40) |
| | **Meets January 17, 2013 - March 8, 2013** | |
| | MW 1:00pm - 2:50pm | VMH 1511 |
| | *First course meeting will be on Thursday 1/17 at the usual time and location to make up for the Martin Luther King holiday.* | |
| DC06 | Diane Whitney | Seats (Total: 40) |
| | **Meets January 26, 2013 - March 16, 2013** | |
| | Sa 1:40pm - 5:50pm | DC C3 |
| | *Meets 1/26, 2/2, 2/9, 2/23, 3/2, 3/9, Final 3/16.* | |

**BUMK706** **Marketing Analysis**

**BUMK706 Marketing Analysis; (2 credits)** Grade Method: REG. *Prerequisite: BUSI650.* Introduction to modeling tools used to support marketing analysis and decision making. Applications in strategic marketing, marketing segmentation, new product development, sales promotion analysis, pricing, design of marketing mix, sales force allocation, and direct marketing. Spreadsheet driven cases and illustrative readings.

| | | |
|---|---|---|
| 0101 | Jie Zhang | Seats (Total: 40) |
| | **Meets January 22, 2013 - March 8, 2013** | |
| | TuTh 10:30am - 12:20pm | VMH 1518 |

**BUMK715** **Consumer Behavior**

**BUMK715 Consumer Behavior; (2 credits)** Grade Method: REG.
*Prerequisite: BUSI650. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BMGT754 or BUMK715. Formerly: BMGT754.* Analysis of customer decision-making and how marketing strategy can be used to influence those decisions. The framework is a buyer behavior model, in which concepts from psychology, sociology, and economics are applied to individual and organizational purchase decisions. Marketing strategies of leading firms in consumer products, technology, and services (including internet services) are analyzed using a variety of case study formats. Focus is consumer behavior; however, principles can also be applied to the decision-making of business. Non-majors should review their registration eligibility in the statement preceding the BUMK courses.

| | | |
|---|---|---|
| 0101 | Rebecca Ratner | Seats (Total: 38) |
| | **Meets March 25, 2013 - May 10, 2013** | |
| | MW 3:00pm - 4:50pm | VMH 1518 |
| BA01 | Rebecca Ratner | Seats (Total: 40) |
| | **Meets March 25, 2013 - May 10, 2013** | |
| | Tu 6:25pm - 10:00pm | BA 101 |

**BUMK731** **Business-to-Business Marketing**

**BUMK731 Business-to-Business Marketing; (2 credits)** Grade Method: REG.
*Prerequisite: BUSI650.* Focus is large fraction of marketing activity directed at organizational customers (businesses, non-profits and government). Marketing strategies, tactics and analytical tools most relevant when marketing to organizational customers are covered. Readings, cases and term paper contribute to understanding how to build long term buyer/seller relationships. Course is appropriate for anyone interested in understanding relationships between organizations, including vertical strategic alliances. Non-majors should review their registration eligibility in the statement preceding the BUMK courses.

| | | |
|---|---|---|
| DC01 | Robert Krapfel<br>**Meets March 25, 2013 - May 10, 2013**<br>M 6:25pm - 10:00pm | Seats (Total: 40)<br><br>DC C2 |
| GS01 | Robert Krapfel<br>**Meets March 25, 2013 - May 10, 2013**<br>W 6:25pm - 10:00pm | Seats (Total: 40)<br><br>BLD2 3032 |

**BUMK736** **Service Marketing and Management**

**BUMK736 Service Marketing and Management; (2 credits)** Grade Method: REG. Examines special challenges service marketing poses for managers because of the intangible, heterogeneous nature of the product, and the critical role of customer contact employees in service delivery. Strategies for meeting these challanges are addressed. Topics include 1) customer relationship management, 2) the design and execution of the service delivery process, 3) the development and implementation of employee customer service skills, 4) the measurement and management of critical outcome variables, such as customer satisfaction, customer equity, and customer lifetime value, and 5) the role of emerging technology in customer service.

| | | |
|---|---|---|
| DC01 | Janet Wagner<br>**Meets January 22, 2013 - March 8, 2013**<br>Tu 6:25pm - 10:00pm | Seats (Total: 40)<br><br>DC C3 |

**BUMK757** **Marketing Strategy**

**BUMK757 Marketing Strategy; (2 credits)** Grade Method: REG.
*Prerequisite: BUSI650. Credit only granted for: BMGT757 or BUMK757. Formerly: BMGT757.* A capstone marketing course. Marketing strategies designed to manage products in selected market segments. Topics covered include competitor analysis, buyer analysis, market segments, and product strengths and weaknesses; product related issues are identified and marketing strategies developed, assessed and implemented. Non-majors should review their registration eligibility in the statement preceding the BUMK courses.

| | | |
|---|---|---|
| 0201 | Wendy Moe<br>**Meets January 17, 2013 - March 8, 2013**<br>MW 10:30am - 12:20pm<br>*First course meeting will be on Thursday 1/17 at the usual time and loc tion to make up for the Martin Luther King holiday.* | Seats (Total: 38)<br><br>VMH 1518 |
| BA01 | Diane Whitney<br>**Meets January 22, 2013 - March 8, 2013**<br>Th 6:25pm - 10:00pm | Seats (Total: 40)<br><br>BA 103 |

**BUMK758A** **Special Topics in Marketing; Market Forecasting**

**BUMK758A Special Topics in Marketing: Market Forecasting; (2 credits)** Grade Method: REG.

| | | |
|---|---|---|
| 0101 | Wendy Moe<br>**Meets March 25, 2013 - May 10, 2013**<br>MW 10:30am - 12:20pm | Seats (Total: 40)<br><br>VMH 2511 |
| DC06 | Wendy Moe<br>**Meets March 23, 2013 - May 18, 2013**<br>Sa 1:40pm - 5:50pm<br>*Meets 3/23, 3/30, 4/13, 4/20, 4/27, 5/11, Final 5/18.* | Seats (Total: 40)<br><br>DC C3 |
| GS01 | Wendy Moe<br>**Meets March 25, 2013 - May 10, 2013**<br>M 6:25pm - 10:00pm | Seats (Total: 40)<br><br>BLD2 3032 |

**BUMK758O** **Special Topics in Marketing; Social Media and Internet Marketing**

**BUMK758O Special Topics in Marketing: Social Media and Internet Marketing; (2 credits)** Grade Method: REG.

| | | |
|---|---|---|
| 0101 | Michael Trusov<br>**Meets January 22, 2013 - March 8, 2013**<br>TuTh 1:00pm - 2:50pm | Seats (Total: 40)<br><br>VMH 1518 |

| | | |
|---|---|---|
| DC01 | Michael Trusov<br>**Meets January 22, 2013 - March 8, 2013**<br>Th 6:25pm - 10:00pm | Seats (Total: 40)<br><br>DC C3 |
| GS01 | Michael Trusov<br>**Meets January 22, 2013 - March 8, 2013**<br>Tu 6:25pm - 10:00pm | Seats (Total: 40)<br><br>BLD3 4202 |

**BUMK758P** **Special Topics in Marketing; New Product Development**

**BUMK758P Special Topics in Marketing: New Product Development; (2 credits)**
Grade Method: REG.
Click here for more information..

| | | |
|---|---|---|
| 0201 | Yogesh Joshi<br>**Meets March 25, 2013 - May 10, 2013**<br>TuTh 1:00pm - 2:50pm | Seats (Total: 40)<br><br>VMH 1520 |
| BA01 | Yogesh Joshi<br>**Meets March 25, 2013 - May 10, 2013**<br>Th 6:25pm - 10:00pm | Seats (Total: 40)<br><br>BA 101 |
| DC01 | Yogesh Joshi<br>**Meets March 25, 2013 - May 10, 2013**<br>Tu 6:25pm - 10:00pm | Seats (Total: 40)<br><br>DC C2 |

**BUMK759** **Independent Study in Marketing**

**BUMK759** *(PermReq)* **Independent Study in Marketing; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# BUMO Management and Organization Spring 2013

**BUMO712** **Leadership Development**

For weekend courses, students are responsible for checking their schedul groups of students: Students admitted/graduates of UMCP master or PhD program and students admitted/graduates of an AACSB-accredited masters program. Students outside the department should contact the Smith School of Business Masters Program Office starting the first day of registration for specific instructions on how to request a BUMO course. Requests for courses will be reviewed approximately two weeks before the start of the semester. For all course sections with GS, class will be held at the Shady Grove Campus. For all course sections with DC, class will be held at the Ronald Reagan Building/International Trade Center. For all course sections with BA, class will be held at the UMB BioPark Two.

***For weekend courses, students are responsible for checking their schedule for course conflicts. If a student is registered for weekend courses that conflict, the student should make adjustments to their schedule. If changes are not made, the department can drop the course that was last added to cause the conflict.***

**BUMO712 Leadership Development; (3 credits)** Grade Method: REG.
*Prerequisite: BUSI664. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).*
Focuses on developing skills to inspire, influence and organize others to accomplish key goals. Building on leadership theories, course includes assessment & role-playing activities, discussions, cases, and exercises to assess and develop personal capabilities.

| | | |
|---|---|---|
| GS01 | Karen Wouters | Seats (Total: 40) |
| | **Meets January 22, 2013 - May 10, 2013** | |
| | Th 6:30pm - 9:10pm | BLD3 2219 |

**BUMO714** **Competitive and Collaborative Negotiation**

**BUMO714 Competitive and Collaborative Negotiation; (2 credits)** Grade Method: REG.
*Corequisite: BUMO715. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUMO714 or BMGT764. Formerly: BMGT764.* Increase negotiating self-confidence and improve capacity to achieve win-win solutions to organizational problems. Improve effectiveness at finding creative solutions to conflict. Non-majors should review their registration eligibility in the statement preceding the BUMO courses.

| | | |
|---|---|---|
| BA01 | Gosia Langa<br>**Meets January 22, 2013 - March 8, 2013**<br>W 6:25pm - 10:00pm | Seats (Total: 40)<br><br>BA 103 |
| DC06 | Rellie Rozin<br>**Meets March 23, 2013 - May 18, 2013**<br>Sa 8:40am - 12:50pm<br>*Meets 3/23, 3/30, 4/13, 4/20, 4/27, 5/11, Final 5/18.* | Seats (Total: 40)<br><br>DC C3 |
| GS01 | Rellie Rozin<br>**Meets March 25, 2013 - May 10, 2013**<br>Tu 6:25pm - 10:00pm | Seats (Total: 40)<br><br>BLD3 4230 |

**BUMO720** **Understanding Organizational Change**

**BUMO720 Understanding Organizational Change; (2 credits)** Grade Method: REG.
*Prerequisite: BUSI664 or BUSI662. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Develops the fundamental change knowledge and skills of MBA students who plan to work with organizations as change agents, whether internally as managerial employees or externally as outside consultants. Draws on literatures from organizational behavior, human resource management and strategic management to identify models as prescriptions of change.

| | | |
|---|---|---|
| 0101 | Myeong-Gu Seo<br>**Meets January 17, 2013 - March 8, 2013**<br>MW 3:00pm - 4:50pm<br>*First course meeting will be on Thursday 1/17 at the usual time and location to make up for the Martin Luther King holiday.* | Seats (Total: 40)<br><br>VMH 1520 |

**BUMO721** **Managing Organizational Change**

**BUMO721 Managing Organizational Change; (2 credits)** Grade Method: REG. *Prerequisite: BUMO720. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Develops the advanced knowledge and skills of MBA students who plan to work with organizations as change agents. Concrete and useful strategies, tools, and interventions for diagnosing organizational change situations, analyzing problems, and designing and implementing organizational change. Diverse approaches to leading and managing various types of organizational change.

| | | |
|---|---|---|
| 0101 | Myeong-Gu Seo<br>**Meets March 25, 2013 - May 10, 2013**<br>MW 3:00pm - 4:50pm | Seats (Total: 40)<br><br>VMH 1520 |

**BUMO725** **Networks and Influence**

**BUMO725 Networks and Influence; (2 credits)** Grade Method: REG. *Restriction: Must be in Business and Management (Master's) program.* Focuses on networks, social capital, and influence as they relate to operating effectively in organizations. It draws heavily on emerging literature related to social capital and networks, but also integrates concepts from persuasion, communication, and motivation literatures to aid your efforts to build a successful track record for yourself and your organization.

| | | |
|---|---|---|
| 0101 | Kathryn Bartol<br>**Meets March 25, 2013 - May 10, 2013**<br>MW 10:30am - 12:20pm | Seats (Total: 40)<br><br>VMH 1520 |
| GS01 | Kathryn Bartol<br>**Meets March 25, 2013 - May 10, 2013**<br>M 6:25pm - 10:00pm | Seats (Total: 40)<br><br>BLD3 4202 |

**BUMO751** **Implementing Strategy: Organizing to Compete**

**BUMO751 Implementing Strategy: Organizing to Compete; (2 credits)** Grade Method: REG.
*Prerequisite: Must have completed or be concurrently enrolled in BUSI690. And must have completed MBA core requirements; or permission of BMGT-Robert H. Smith School of Business.* Organizational dynamics of competitive advantage. Impact of alternative organizational structures, planning and control systems, human resource management practices, and executive leadership styles on the implementation of archetypically different strategies.

| | | |
|---|---|---|
| DC01 | Robert Muller<br>**Meets March 25, 2013 - May 10, 2013**<br>Tu 6:25pm - 10:00pm | Seats (Total: 40)<br><br>DC C3 |
| DC02 | Kenneth Gabriel<br>**Meets March 25, 2013 - May 10, 2013**<br>Tu 6:25pm - 10:00pm | Seats (Total: 40)<br><br>DC C6 |

**BUMO752** **Strategic Growth for Emerging Companies**

**BUMO752 Strategic Growth for Emerging Companies; (2 credits)** Grade Method: REG.
*Restriction: Must be in Business and Management (Master's) program.* Explores the key elements of mastering the move from being a successful small company to achieving industry significance. Supplemented by readings, video and guest speakers, the course highlights the application of practical lessons leading to strategic growth and subsequent emergence as a player.

| | | |
|---|---|---|
| BA01 | David Kirsch<br>**Meets January 17, 2013 - March 8, 2013**<br>M 6:25pm - 10:00pm<br>*First course meeting will be on Thursday 1/17 at the usual time and loc tion to make up for the Martin Luther King holiday.* | Seats (Total: 40)<br><br>BA 101 |
| DC01 | David Kirsch<br>**Meets January 22, 2013 - March 8, 2013**<br>W 6:25pm - 10:00pm | Seats (Total: 40)<br><br>DC C3 |

**BUMO753** **Emerging Business Formation**

**BUMO753 Emerging Business Formation; (2 credits)** Grade Method: REG.
*Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Business formation issues, legal obligations that affect entrepreneurial activities, the spectrum of financing methods available to emerging businesses, creating management and organization and a practical application of the tools through practical projects.

| | | |
|---|---|---|
| 0101 | Jonathan Aberman<br>**Meets January 17, 2013 - March 8, 2013**<br>MW 1:00pm - 2:50pm<br>*First course meeting will be on Thursday 1/17 at the usual time and location to make up for the Martin Luther King holiday.* | Seats (Total: 40)<br><br>VMH 1520 |

**BUMO758D** **Special Topics in Management and Organization; Social Entrepreneurship**

**BUMO758D Special Topics in Management and Organization: Social Entrepreneurship; (2 credits)** Grade Method: REG.
Also offered as PUAF689D.

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|---|---|---|
| DC06 | James Sanders<br>**Meets January 26, 2013 - March 16, 2013**<br>Sa 8:40am - 12:50pm<br>*Meets 1/26, 2/2, 2/9, 2/23, 3/2, 3/9, Final 3/16.* | Seats (Total: 35)<br><br>DC C2 |

**BUMO758Y** **Special Topics in Management and Organization; Managing Difficult Employees**

| | | |
|---|---|---|
| BA01 | Cynthia Stevens<br>**Meets March 25, 2013 - May 10, 2013**<br>Tu 6:25pm - 10:00pm | Seats (Total: 40)<br><br>BA 102 |
| DC01 | Cynthia Stevens<br>**Meets March 25, 2013 - May 10, 2013**<br>W 6:25pm - 10:00pm | Seats (Total: 40)<br><br>DC C2 |

**BUMO759** **Independent Study in Management and Organization**

**BUMO759** *(PermReq)* **Independent Study in Management and Organization; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**BUMO778A** **Technology Commercialization; Idea to Market**

**BUMO778A** *(PermReq)* **Technology Commercialization: Idea to Market; (3 credits)** Grade Method: REG.

| | | |
|---|---|---|
| 0101 | Brent Goldfarb | Seats (Total: 40) |
| | **Meets January 22, 2013 - May 10, 2013** | |
| | Contact instructor or department for details. | |
| | *Course will meet from 8am-5pm on 1/25, from 9am-1pm on 2/1, then from 1230-330pm on 2/13, 3/13, 4/10, and 5/8.* | |

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**BUMO794** **Essentials of Negotiation**

**BUMO794 Essentials of Negotiation; (2 credits)** Grade Method: REG. *Restriction: Must be in Business and Management (Master's) program.* This highly experiential course will improve students' negotiation skills and capacity to acquire and effectively use bargaining power. By using a variety of assessment tools, feedback sources, skill-building exercises, and exercise debriefings, the class will increase students' negotiating self-confidence and improve their capacity to claim value and achieve win-win solutions to individual, team, and organizational problems. The course is designed to enhance students' negotiating self-confidence and improve students' analytical and decision-making skills (e.g., understanding bargaining zones, knowing when an agreement can be made and when to walk away; learning how to prepare for negotiations), interpersonal skills, creativity (e.g., identifying creative solutions to conflict), and persuasive abilities.

| | | |
|---|---|---|
| 0501 | Vijaya Venkataramani | Seats (Total: 0) |
| | **Meets January 17, 2013 - March 8, 2013** | |
| | MW 3:00pm - 4:50pm | VMH 1511 |
| | *For MS in Accounting students only. First course meeting will be on Thu rsday 1/17 at the usual time and location to make up for the Martin Luther King holiday.* | |

| | | |
|---|---|---|
| 0502 | Rellie Rozin | Seats (Total: 0) |
| | **Meets January 22, 2013 - March 8, 2013** | |
| | TuTh 3:00pm - 4:50pm | VMH 1505 |
| | *For MS in Accounting students only.* | |
| GS06 | Vijaya Venkataramani | Seats (Total: 0) |
| | **Meets April 13, 2013 - May 11, 2013** | |
| | Sa 8:30am - 5:50pm | Location: TBA |
| | *For MS in Accounting students only. Meets 4/13, 4/27, 5/11.* | |

**BUMO796** **Leadership and Human Resource Management for Accountants and Auditors**

**BUMO796 Leadership and Human Resource Management for Accountants and Auditors; (3 credits)** Grade Method: REG.
*Restriction: Must be in Business and Management (Master's) program.* Develops the concepts, frameworks, and skills that are important to be effective leaders and to successfully manage human resources. Topics for discussion include: Creating a motivating and empowering environment; leadership attributes, power and effective influence; building effective decision-making; strategic management of human resources; specification of the skills and competencies requisite for job success; recruiting and selecting employees to fit the job and the organization; measuring, appraising and improving performance. All of the topics selected for discussion are critical ones that every professional needs to know, regardless of functional area (not just HR professionals), and will help students become more effective consultants, managers and leaders.

| | | |
|---|---|---|
| 0501 | Karen Wouters | Seats (Total: 0) |
| | **Meets March 25, 2013 - May 10, 2013** | |
| | MW 1:00pm - 3:45pm | VMH 1511 |
| | *For MS in Accounting students only. First course meeting will be on thu rsday 1/17 at the usual time and location to make up for the Martin Luther King holiday.* | |
| 0502 | Karen Wouters | Seats (Total: 0) |
| | **Meets March 25, 2013 - May 10, 2013** | |
| | TuTh 1:00pm - 3:45pm | VMH 1528 |
| | *For MS in Accounting students only.* | |

**BUSI611** **Managerial Accounting**

**BUSI611** *(PermReq)* **Managerial Accounting; (2 credits)** Grade Method: REG. *Prerequisite: BUSI610. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Use of accounting data in corporate planning and control. Cost-volume- profit analysis, budgeting, pricing decisions and cost data, transfer pricing, activity-based management, performance measures, and standard costing.

| | | |
|---|---|---|
| 0101 | Shijun Cheng | Seats (Total: 57) |
| | **Meets January 17, 2013 - March 8, 2013** | |
| | MW 1:00pm - 2:50pm | VMH 1505 |
| | *First course meeting will be on Thursday 1/17 at the usual time and location to make up for the Martin Luther King holiday.* | |
| 0201 | Shijun Cheng | Seats (Total: 57) |
| | **Meets January 17, 2013 - March 8, 2013** | |
| | MW 10:30am - 12:20pm | VMH 1505 |
| | *First course meeting will be on Thursday 1/17 at the usual time and location to make up for the Martin Luther King holiday.* | |

**BUSI621** **Strategic and Transformational IT**

**BUSI621 Strategic and Transformational IT; (2 credits)** Grade Method: REG. *Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUSI620 or BUSI621.* Introduces students to the key issues in managing information technology (IT) and provides an overview of how major IT applications in today's firms support strategic, opertaional, and tactical decisions. Topics include: synchroizing IT and business strategy; the transformational impacts of IT; evaluating and coping with new technologies; governing, managing, and organizing the IT function including outsourcing/offshoring considerations; assessing the business value of IT and justifying IT projects; and managing IT applications in functional areas to support strategy and business process.

| | | |
|---|---|---|
| 0101 | Henry Lucas | Seats (Total: 43) |
| | **Meets January 22, 2013 - March 8, 2013** | |
| | TuTh 1:00pm - 2:10pm<br>Class time/details on ELMs | VMH 1511<br>ONLINE |
| | *This section of BUSI621 will meet 140 minutes face-to-face each week with two synchronous, 70 minutes classes, with other work completed in asynchronous online sessions at your convenience. The synchronous classes will feature highly interactive discussions. Students are required to have a PC or MAC and broadband connection to enroll in the class.* | |
| BA01 | Anand Gopal | Seats (Total: 50) |
| | **Meets March 25, 2013 - May 10, 2013** | |
| | M 6:25pm - 10:00pm | BA 102 |
| DC01 | Sunil Mithas | Seats (Total: 50) |
| | **Meets March 25, 2013 - May 10, 2013** | |
| | W 6:25pm - 8:45pm<br>Class time/details on ELMs | DC C4<br>ONLINE |
| | *This section of BUSI621 will meet 140 minutes face-to-face each week, with other work completed in asynchronous online sessions at your convenience. The synchronous classes will feature highly interactive discussions. Students are required to have a PC or MAC and broadband connection to enroll in the class.* | |
| DC02 | Sunil Mithas | Seats (Total: 50) |
| | **Meets March 25, 2013 - May 10, 2013** | |
| | Th 6:25pm - 8:45pm<br>Class time/details on ELMs | DC C3<br>ONLINE |
| | *This section of BUSI621 will meet 140 minutes face-to-face each week, with other work completed in asynchronous online sessions at your convenience. The synchronous classes will feature highly interactive discussions. Students are required to have a PC or MAC and broadband connection to enroll in the class.* | |
| DC06 | Sunil Mithas | Seats (Total: 50) |
| | **Meets March 23, 2013 - May 18, 2013** | |
| | Sa 1:40pm - 5:50pm | DC C1 |
| | *Meets 3/30, 4/13, 4/20, 4/27, 5/11, 5/18.* | |

| | | |
|---|---|---|
| GS01 | Sunil Mithas<br>**Meets March 25, 2013 - May 10, 2013**<br>Tu 6:25pm - 8:45pm<br>Class time/details on ELMs<br>*This section of BUSI621 will meet 140 minutes face-to-face each week, with other work completed in asynchronous online sessions at your convenience. The synchronous classes will feature highly interactive discussions. Students are required to have a PC or MAC and broadband connection to enroll in the class.* | Seats (Total: 50)<br><br>BLD3 4202<br>ONLINE |

**BUSI622** **Managing Digital Business Markets**

**BUSI622 Managing Digital Business Markets; (2 credits)** Grade Method: REG. *Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business.* The objective is to understand the strategic and tactical issues involved in managing digital businesses and markets. Also, some of the characteristics of digital businesses and markets that make them unique and understand how companies can bes manage them will be examined.

| | | |
|---|---|---|
| 0101 | Guodong Gao<br>**Meets January 22, 2013 - March 8, 2013**<br>TuTh 1:00pm - 2:50pm | Seats (Total: 43)<br><br>VMH 1505 |
| 0201 | Guodong Gao<br>**Meets January 22, 2013 - March 8, 2013**<br>TuTh 10:30am - 12:20pm | Seats (Total: 43)<br><br>VMH 1505 |
| BA01 | Il-Horn Hann<br>**Meets March 25, 2013 - May 10, 2013**<br>M 6:25pm - 8:45pm<br>Class time/details on ELMs<br>*This section will meet 140 minutes face-to-face each week , with other work completed in asynchronous online sessions at your convenience. The synchronous classes will feature highly interactive discussions. Students are required to have a PC or MAC and broadband connection to enroll in the class.* | Seats (Total: 50)<br><br>BA 104<br>ONLINE |
| DC01 | Il-Horn Hann<br>**Meets March 25, 2013 - May 10, 2013**<br>W 6:25pm - 10:00pm | Seats (Total: 50)<br><br>DC C1 |

| | | |
|---|---|---|
| DC06 | Il-Horn Hann<br>**Meets March 23, 2013 - May 18, 2013**<br>Sa 1:40pm - 4:25pm<br>Class time/details on ELMs<br>*This section will meet 165 minutes face-to-face each session (3/23, 3/30, 4/13, 4/20, 4/27, 5/11, 5/18) with other work completed in asynchronous online sessions at your convenience. The synchronous classes will feature highly interactive discussions. Students are required to have a PC or MAC and broadband connection to enroll in the class* | Seats (Total: 50)<br><br>DC C5<br>ONLINE |
| GS01 | Il-Horn Hann<br>**Meets March 25, 2013 - May 10, 2013**<br>Tu 6:25pm - 10:00pm | Seats (Total: 50)<br><br>BLD2 2032 |

**BUSI630** **Data, Models and Decisions**

**BUSI630** *(PermReq)* **Data, Models and Decisions; (2 credits)** Grade Method: REG. *Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Analytical modeling of business decisions; uncertainty, risk and expected utility; regression modeling to infer relationships among variables. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

| | | |
|---|---|---|
| BA01 | Robert Hoffman<br>**Meets January 22, 2013 - March 8, 2013**<br>W 6:25pm - 10:00pm | Seats (Total: 0)<br><br>BA 104 |
| DC01 | Tunay Tunca<br>**Meets January 17, 2013 - March 8, 2013**<br>M 6:25pm - 10:00pm<br>*First course meeting will be on Thursday 1/17 at the usual time and loc tion to make up for the Martin Luther King holiday.* | Seats (Total: 0)<br><br>DC C1 |
| DC02 | Tunay Tunca<br>**Meets January 22, 2013 - March 8, 2013**<br>Tu 6:25pm - 10:00pm | Seats (Total: 0)<br><br>DC C1 |

| | | |
|---|---|---|
| DC06 | Tunay Tunca<br>**Meets January 26, 2013 - March 16, 2013**<br>Sa 8:40am - 12:50pm<br>*Meets 1/26, 2/2, 2/9, 2/23, 3/2, 3/9, Final 3/16.* | Seats (Total: 0)<br><br>DC C1 |
| GS01 | Tunay Tunca<br>**Meets January 22, 2013 - March 8, 2013**<br>Th 6:25pm - 10:00pm | Seats (Total: 0)<br><br>BLD2 2032 |

**BUSI634** **Operations Management**

**BUSI634** *(PermReq)* **Operations Management; (2 credits)** Grade Method: REG. *Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business.* Operations management is concerned with efficient and effective design and operation of business processes for delivering products and/or services. Emphasis is given to process analysis and design, capacity management and bottlenecks, waiting lines and the impact of uncertainty in process performance, quality management, lean, six-sigma, and revenue management.

| | | |
|---|---|---|
| 0101 | Yi Xu<br>**Meets March 25, 2013 - May 10, 2013**<br>MW 1:00pm - 2:50pm | Seats (Total: 57)<br><br>VMH 1505 |
| 0201 | Yi Xu<br>**Meets March 25, 2013 - May 10, 2013**<br>MW 10:30am - 12:20pm | Seats (Total: 57)<br><br>VMH 1505 |
| 0501 | Wedad Elmaghraby<br>**Meets March 25, 2013 - May 10, 2013**<br>TuTh 1:00pm - 2:50pm<br>*For MS in Supply Chain and MS in Information Systems students only.* | Seats (Total: 0)<br><br>VMH 1505 |
| 0502 | Yi Xu<br>**Meets March 25, 2013 - May 10, 2013**<br>TuTh 1:00pm - 2:50pm<br>*For MS in Supply Chain and MS in Information System students only.* | Seats (Total: 0)<br><br>VMH 1511 |

**BUSI640** **Financial Management**

**BUSI640** *(PermReq)* **Financial Management; (2 credits)** Grade Method: REG. *Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Focuses on the valuation of the real assets of firms as well as the valuation of stocks and bonds, the primary financial assets in an economy. While details vary, the conceptual foundations of valuation boil down to three themes: time value of money, no-arbitrage, and systematic risk.

| | | |
|---|---|---|
| BA01 | Alexander Triantis<br>**Meets March 25, 2013 - May 10, 2013**<br>W 6:25pm - 10:00pm | Seats (Total: 0)<br><br>BA 104 |
| DC01 | Alexander Triantis<br>**Meets March 25, 2013 - May 10, 2013**<br>M 6:25pm - 10:00pm | Seats (Total: 0)<br><br>DC C1 |
| DC02 | Alexander Triantis<br>**Meets March 25, 2013 - May 10, 2013**<br>Tu 6:25pm - 10:00pm | Seats (Total: 0)<br><br>DC C1 |
| DC06 | Bharat Jain<br>**Meets March 23, 2013 - May 18, 2013**<br>Sa 8:40am - 12:50pm<br>*Meets 3/23, 3/30, 4/13, 4/20, 4/27, 5/11, Final 5/18.* | Seats (Total: 0)<br><br>DC C1 |
| GS01 | Alexander Triantis<br>**Meets March 25, 2013 - May 10, 2013**<br>Th 6:25pm - 10:00pm | Seats (Total: 0)<br><br>BLD2 2032 |

**BUSI650** **Marketing Management**

**BUSI650** *(PermReq)* **Marketing Management; (2 credits)** Grade Method: REG. *Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Analysis of marketing problems and evaluation of specific marketing efforts regarding the organization's products and services, pricing activities, channel selection, and promotion strategies in both domestic and international markets. Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

| | | |
|---|---|---|
| BA01 | Joydeep Srivastava<br>**Meets January 17, 2013 - March 8, 2013**<br>M 6:25pm - 10:00pm<br>*First course meeting will be on Thursday 1/17 at the usual time and loc tion to make up for the Martin Luther King holiday.* | Seats (Total: 0)<br><br>BA 104 |
| DC01 | David Godes<br>**Meets January 22, 2013 - March 8, 2013**<br>W 6:25pm - 10:00pm | Seats (Total: 0)<br><br>DC C1 |
| DC02 | David Godes<br>**Meets January 22, 2013 - March 8, 2013**<br>Th 6:25pm - 10:00pm | Seats (Total: 0)<br><br>DC C1 |
| DC06 | Robert Krapfel<br>**Meets January 26, 2013 - March 16, 2013**<br>Sa 1:40pm - 5:50pm<br>*Meets 1/26, 2/2, 2/9, 2/23, 3/2, 3/9, Final 3/16.* | Seats (Total: 0)<br><br>DC C1 |
| GS01 | Joydeep Srivastava<br>**Meets January 22, 2013 - March 8, 2013**<br>Tu 6:25pm - 10:00pm | Seats (Total: 0)<br><br>BLD2 2032 |

**BUSI660** **Entrepreneurship and New Ventures**

**BUSI660 Entrepreneurship and New Ventures; (2 credits)** Grade Method: REG. *Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUMO732 or BUSI660.* Provides an introduction to important tools and skills necessary to create and grow a successful new venture. Integrates research findings from a range of different practical and intellectual perspectives, including psychology, sociology, economics, strategic management, and history into practical, hands on lessons for an entrepreneur. Class projects provide the foundations for new, real businesses.

| | | |
|---|---|---|
| 0101 | Brent Goldfarb<br>**Meets January 22, 2013 - March 8, 2013**<br>TuTh 3:00pm - 4:50pm | Seats (Total: 40)<br><br>VMH 1511 |

| | | |
|---|---|---|
| BA01 | Oliver Schlake | Seats (Total: 40) |
| | **Meets March 25, 2013 - May 10, 2013** | |
| | Th 6:25pm - 10:00pm | BA 103 |

**BUSI661** **Creativity for Business Leaders and Entrepreneurs**

**BUSI661 Creativity for Business Leaders and Entrepreneurs; (2 credits)** Grade Method: REG.
*Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Examines the concept of creativity as it applies in today's and tomorrow's complex business environment. An overview of the cognitive foundations of creativity, examines many of the preconceived notions about creativity in business and discusses multiple ways in which creativity can help business leaders and entrepreneurs to succeed. Topics include creativity techniques for groups and individuals, creativity as a foundation to recognize business opportunities and develop innovative products and services, selecting ideas and making them stick, mental and organizational obstacles to creativity as well as an overview of electronic tools to increase creative capability.

| | | |
|---|---|---|
| 0101 | Oliver Schlake | Seats (Total: 38) |
| | **Meets March 25, 2013 - May 10, 2013** | |
| | TuTh 1:00pm - 2:50pm | Location: TBA |

**BUSI672** **Global Supply Chain Management**

**BUSI672 Global Supply Chain Management; (2 credits)** Grade Method: REG.
*Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Offers a practical blueprint for understanding, building, implementing, and sustaining supply chains in today's rapidly changing global supply chain environment. It will provide the student with a survey of the fast-moving Supply Chain Management discipline and practice, including the evolution of supply chain strategies, business models and technologies; current best practices in demand and supply management; and methodologies for conducting supply chain-wide diagnostic assessments and formulating process improvement plans.

| | | |
|---|---|---|
| 0101 | Thomas Corsi | Seats (Total: 45) |
| | **Meets January 17, 2013 - March 8, 2013** | |
| | MW 3:00pm - 4:50pm | VMH 1505 |
| | *First course meeting will be on Thursday 1/17 at the usual time and location to make up for the Martin Luther King holiday.* | |
| DC01 | Thomas Corsi | Seats (Total: 40) |
| | **Meets January 22, 2013 - March 8, 2013** | |
| | Th 6:25pm - 10:00pm | DC C2 |

**BUSI673** **International Economics for Managers**

**BUSI673 International Economics for Managers; (2 credits)** Grade Method: REG. *Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).* Focuses on understanding critical aspects of the global business environment that influence firm decisions and behavior. Globalization is present in market competition, capital markets, and managerial talent as evidenced by free trade areas and economic unions forming, the volatility in global financial markets, and the continued rise of transnational firms. With globalization, the challenge for firms is to acknowledge, understand and act when appropriate - to act by sourcing, lobbying, and relocating value chain activities internationally.

| | | |
|---|---|---|
| 0101 | Yue Zhou | Seats (Total: 18) |
| | **Meets March 25, 2013 - May 10, 2013** | |
| | MW 3:00pm - 4:50pm | VMH 2509 |

**BUSI674** **Globalizing the Enterprise**

**BUSI674 Globalizing the Enterprise; (2 credits)** Grade Method: REG. *Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business.* Focuses on the "strategic" and "organizational" questions that a company must address as it globalizes its footprint. Among the questions that will be addressed are: What are the potential benefits, costs, and risks associated with going abroad? What differentiates a "global" from a "multidomestic" industry? What are the sources of competitive advantagein a global context?

| | | |
|---|---|---|
| BA01 | Anil Gupta<br>**Meets March 25, 2013 - May 10, 2013**<br>W 6:25pm - 10:00pm | Seats (Total: 40)<br><br>BA 103 |
| DC01 | Anil Gupta<br>**Meets March 25, 2013 - May 10, 2013**<br>Th 6:25pm - 10:00pm | Seats (Total: 40)<br><br>DC C4 |

**BUSI698** **MBA Consulting Project**
**Contact department for information to register for this course.**

**BUSI718** **Social Venture Consulting Practicum**
**Contact department for information to register for this course.**

**BUSI728** **Business Consulting Practicum**
**Contact department for information to register for this course.**

**BUSI738** **Sustainable Systems Practicum; Sustainable Systems Practicum**
**Contact department for information to register for this course.**

**BUSI758D** **Special Topics in Business; Digital Strategies for Businesses**
**Contact department for information to register for this course.**

**BUSI758J** **Special Topics in Business; Change, Leadership, and Innovation**
**Contact department for information to register for this course.**

**BUSI758K** **Special Topics in Business; Capitalism: How it Works**

**BUSI758K Special Topics in Business: Capitalism: How it Works; (2 credits)**
Grade Method: REG.
Click here for more course information.

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|---|---|---|
| 0101 | David Sicilia<br>**Meets January 17, 2013 - March 8, 2013**<br>MW 8:30am - 10:20am<br><br>*First course meeting will be on Thursday 1/17 at the usual time and location to make up for the Martin Luther King holiday.* | Seats (Total: 40)<br><br>VMH 1505 |

**BUSI758P** **Special Topics in Business; Current Issues in Federal Acquisition**

**BUSI758P Special Topics in Business: Current Issues in Federal Acquisition; (3 credits)** Grade Method: REG.
Also offered as ENSE698F and PUAF689F.

| | | |
|---|---|---|
| 0101 | Jacques Gansler | Seats (Total: 20) |
| | M 4:15pm - 6:45pm | VMH 1203 |

**BUSI758V** **Special Topics in Business; Venture Practicum**
**Contact department for information to register for this course.**

**BUSI759** **Independent Study in Business**

**BUSI759** *(PermReq)* **Independent Study in Business; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**BUSI761** **The Environment of International Business**

**BUSI761 The Environment of International Business; (2 credits)** Grade Method: REG.
*Credit only granted for: BMGT794 or BUSI761. Formerly: BMGT794.* The international business environment as it affects company policy and procedures. In-depth analysis and comprehensive case studies of the business functions undertaken in international operations.

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|---|---|---|
| GS01 | Peter Morici | Seats (Total: 40) |
| | **Meets January 26, 2013 - February 16, 2013** | |
| | SaSu 8:30am - 5:50pm | BLD3 4202 |
| | *Meets 1/26, 1/27, 2/16.* | |

**BUSI764** **Business Law for Managers**

**BUSI764 Business Law for Managers; (2 credits)** Grade Method: REG.
*Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BMGT793 or BUSI764. Formerly: BMGT793.* Survey of United States legal institutions and processes as well as substantive areas of the law that affect business. Examination of tort and contract law, the legal forms of business organization and legal liability and major regulatory laws that affect business.

| | | |
|---|---|---|
| GS01 | T Anenson | Seats (Total: 40) |
| | **Meets January 22, 2013 - March 8, 2013** | |
| | Th 6:25pm - 10:00pm | BLD3 3202 |

**BUSI768B** **Global Business Experience: CIBER Global Business Project; CIBER Global Business Project: Brazil**

**Contact department for information to register for this course.**

**BUSI768I** **Global Business Experience: CIBER Global Business Project; CIBER Global Business Project: India**

**Contact department for information to register for this course.**

**BUSI771** **New Venture Financing**

**BUSI771 New Venture Financing; (2 credits)** Grade Method: REG.
*Prerequisite: BUSI640; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BMGT740 or BUSI771. Formerly: BMGT740.* Development of skills for financing new ventures (both small and potentially large). Exploration of various funding sources. Criteria used in evaluation and decision process, including commercial banks, venture capital companies, small business investment companies, underwriters, private placement-financial consultants, mortgage bankers, and small business innovative research grants (U.S. Government).

| | | |
|---|---|---|
| 0101 | Jonathan Aberman | Seats (Total: 40) |
| | **Meets March 25, 2013 - May 10, 2013** | |
| | MW 1:00pm - 2:50pm | VMH 1520 |
| DC01 | Jonathan Aberman | Seats (Total: 40) |
| | **Meets March 25, 2013 - May 10, 2013** | |
| | M 6:25pm - 10:00pm | DC C6 |

**BUSI778C** **Global Business Experience: CIBER International Consulting; CIBER International Consulting: Chile**

**Contact department for information to register for this course.**

**BUSI778F** **Global Business Experience: CIBER International Consulting; CIBER International Consulting: France**

**BUSI778F Global Business Experience: CIBER International Consulting: CIBER International Consulting: France; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| SA43 | Jie Zhang | Seats (Total: 0) |
| | Contact instructor or department for details. | |

**BUSI778T** **Global Business Experience: CIBER International Consulting; CIBER International Consulting: Tunisia**

**Contact department for information to register for this course.**

**BUSI785** **Project Management in Dynamic Environments**

**BUSI785 Project Management in Dynamic Environments; (2 credits)** Grade Method: REG.

*Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business.* Addresses project management skills that are required by successful managers in increasingly competitive and faster-moving environments. Examines fundamental concepts of successful project management, and the technical and managerial issues, methods, and techniques.

| | | |
|---|---|---|
| 0501 | Shannon Lantzy | Seats (Total: 0) |
| | **Meets January 22, 2013 - March 8, 2013** | |
| | TuTh 8:30am - 10:20am | VMH 1518 |
| | *For MS in Information Systems students only.* | |
| 0502 | Barnet Corwin | Seats (Total: 0) |
| | **Meets January 22, 2013 - March 8, 2013** | |
| | TuTh 3:00pm - 4:50pm | VMH 1518 |
| | *For MS in Information Systems students only.* | |
| GS01 | Barnet Corwin | Seats (Total: 40) |
| | **Meets January 22, 2013 - March 8, 2013** | |
| | W 6:25pm - 10:00pm | BLD2 2032 |

**BUSI788B** **Introduction to Global Business Experience; Doing Business in Brazil: Emerging Global Companies**

**BUSI788B Introduction to Global Business Experience: Doing Business in Brazil: Emerging Global Companies; (1 credit)** Grade Method: REG.
By registering for this course you will automatically be registered for the associated Spring Break travel course (BUSI798B) please contact inst ructor for dates. Click here for more course information.

| | | |
|---|---|---|
| BA01 | Paulo Prochno<br>**Meets January 23, 2013 - March 14, 2013**<br>Contact instructor or department for details. | Seats (Total: 36) |
| BA02 | Paulo Prochno<br>**Meets January 23, 2013 - March 14, 2013**<br>Contact instructor or department for details. | Seats (Total: 36) |

**BUSI788C** **Introduction to Global Business Experience; China in 2013 and Beyond - Challenges and Opportunities**

**BUSI788C Introduction to Global Business Experience: China in 2013 and Beyond - Challenges and Opportunities; (1 credit)** Grade Method: REG.
By registering for this course you will automatically be registered for the associated Summer travel course (BUSI798C) please contact instructor for dates. Click here for more course information.

| | | |
|---|---|---|
| BA01 | Zhi-Long Chen<br>Contact instructor or department for details. | Seats (Total: 35) |

**BUSI788E** **Introduction to Global Business Experience; Doing Business in the Euro Zone**

**BUSI788E Introduction to Global Business Experience: Doing Business in the Euro Zone; (1 credit)** Grade Method: REG.
By registering for this course you will automatically be registered for the associated late spring/early summer travel course (BUSI798E). Pleas e contact the instructor for dates. Click here for more course information.

| | | |
|---|---|---|
| BA01 | Charles Olson<br>Contact instructor or department for details. | Seats (Total: 20) |

**BUSI798B** **Global Business Experience; Brazill: Emerging Global Companies**

**Contact department for information to register for this course.**

**BUSI799** **Masters Thesis Research**

**BUSI799** *(PermReq)* **Masters Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
For Smith School MS Students only.

**Contact department for information to register for this course.**

# CBMG Cell Biology & Molecular Genetics Spring 2013

**CBMG688B** **Special Topics in Cell Biology and Molecular Genetics; Genetics: Bioethics**

**CBMG688B Special Topics in Cell Biology and Molecular Genetics: Genetics: Bioethics; (1 credit)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Anne Simon | Seats (Total: 20) |
| | **Meets March 19, 2013 - May 9, 2013** | |
| | M 8:00am - 10:00am | MCB 2119 |

**CBMG688C** **Special Topics in Cell Biology and Molecular Genetics; Research Experiences**

**CBMG688C Special Topics in Cell Biology and Molecular Genetics: Research Experiences; (2 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Kevin McIver | Seats (Total: 40) |
| | Contact instructor or department for details. | |

**CBMG688F** **Special Topics in Cell Biology and Molecular Genetics; Genetics I: Gene Expression**

**CBMG688F Special Topics in Cell Biology and Molecular Genetics: Genetics I: Gene Expression; (2 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Jonathan Dinman | Seats (Total: 35) |
| | **Meets January 23, 2013 - March 18, 2013** | |
| | TuTh 4:00pm - 6:00pm | MCB 1207 |

**CBMG688I** **Special Topics in Cell Biology and Molecular Genetics; Genetics II**

**CBMG688I** *(PermReq)* **Special Topics in Cell Biology and Molecular Genetics: Genetics II; (2 credits)** Grade Method: REG/AUD.
Click here for more course information.

| | | |
|---|---|---|
| 0101 | Stephen Mount | Seats (Total: 30) |
| | **Meets March 19, 2013 - May 9, 2013** | |
| | TuTh 4:00pm - 6:00pm | MCB 1207 |

**CBMG688L** **Special Topics in Cell Biology and Molecular Genetics; Microbial Pathogenesis**

**CBMG688L Special Topics in Cell Biology and Molecular Genetics: Microbial Pathogenesis; (2 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Kevin McIver, Volker Briken | Seats (Total: 20) |
| | **Meets January 23, 2013 - March 18, 2013** | |
| | MW 8:00am - 10:00am | MCB 1123 |

**CBMG688R** **Special Topics in Cell Biology and Molecular Genetics; Plant II: Plant Development and Physiology**

**CBMG688R Special Topics in Cell Biology and Molecular Genetics: Plant II: Plant Development and Physiology; (2 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Heven Sze, June Kwak | Seats (Total: 1) |
| | **Meets March 19, 2013 - May 9, 2013** | |
| | MW 4:00pm - 6:00pm | HJP 1216 |

**CBMG688X** **Special Topics in Cell Biology and Molecular Genetics; Virology Program**

**CBMG688X Special Topics in Cell Biology and Molecular Genetics: Virology Program; (2 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Anne Simon | Seats (Total: 20) |
| | F 3:00pm - 5:00pm | HJP 1216 |

**CBMG699** **Special Problems in Cell Biology and Molecular Genetics**

**CBMG699 Special Problems in Cell Biology and Molecular Genetics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**CBMG699D** **Special Problems in Cell Biology and Molecular Genetics; Molecular Genetics: Bioinformatics and Computation Biology**

**CBMG699D Special Problems in Cell Biology and Molecular Genetics: Molecular Genetics: Bioinformatics and Computation Biology; (1 credit)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Stephen Mount<br>Th 2:00pm - 3:00pm | Seats (Total: 20)<br>BRB 1103 |

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**CBMG699T** **Special Problems in Cell Biology and Molecular Genetics; Molecular Genetics: Genetics of Eukaryotic Model Systems**

**CBMG699T Special Problems in Cell Biology and Molecular Genetics: Molecular Genetics: Genetics of Eukaryotic Model Systems; (1 credit)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Stephen Mount<br>F 3:30pm - 6:00pm | Seats (Total: 20)<br>HJP 1125 |

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**CBMG699X** **Special Problems in Cell Biology and Molecular Genetics; Host Pathogen Interactions**

**CBMG699X Special Problems in Cell Biology and Molecular Genetics: Host Pathogen Interactions; (1 credit)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | David Mosser<br>F 9:00am - 10:30am | Seats (Total: 20)<br>BRB 3101 |

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**CBMG699Y** **Special Problems in Cell Biology and Molecular Genetics; Plant Cell Biology**

**CBMG699Y Special Problems in Cell Biology and Molecular Genetics: Plant Cell Biology; (1 credit)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | June Kwak<br>M 12:00pm - 1:00pm | Seats (Total: 20)<br>HJP 1125 |

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**CBMG699Z** **Special Problems in Cell Biology and Molecular Genetics; Protein Translation**

**CBMG699Z Special Problems in Cell Biology and Molecular Genetics: Protein Translation; (1 credit)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Jonathan Dinman | Seats (Total: 10) |
| | F 9:30am - 10:30am | MCB 1121 |

**CBMG799** **Masters Thesis Research**

**CBMG799 Masters Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**CBMG898** **Pre-Candidacy Research**

**CBMG898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**CBMG899** **Doctoral Dissertation Research**

**CBMG899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# CCJS Criminology and Criminal Justice Spring 2013

**CCJS100** **Introduction to Criminal Justice**

**CCJS100 Introduction to Criminal Justice; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Introduction to the administration of criminal justice in a democratic society, with emphasis on the theoretical and historical development of law enforcement. The principles of organization and administration for law enforcement; functions and specific activities; planning and research; public relations; personnel and training; inspection and control; direction; policy formulation.

| | | | |
|---|---|---|---|
| 0101 | Margaret Hardy<br>MW 3:00pm - 3:50pm<br>M 9:00am - 9:50am | Seats (Total: 30)<br>LEF 2205<br>LEF 1201 | <br><br>Discussion |
| 0102 | Margaret Hardy<br>MW 3:00pm - 3:50pm<br>M 10:00am - 10:50am | Seats (Total: 30)<br>LEF 2205<br>LEF 1201 | <br><br>Discussion |
| 0103 | Margaret Hardy<br>MW 3:00pm - 3:50pm<br>M 12:00pm - 12:50pm | Seats (Total: 30)<br>LEF 2205<br>LEF 1220 | <br><br>Discussion |
| 0104 | Margaret Hardy<br>MW 3:00pm - 3:50pm<br>M 1:00pm - 1:50pm | Seats (Total: 30)<br>LEF 2205<br>LEF 1201 | <br><br>Discussion |
| 0105 | Margaret Hardy<br>MW 3:00pm - 3:50pm<br>Tu 9:30am - 10:20am | Seats (Total: 30)<br>LEF 2205<br>TYD 2108 | <br><br>Discussion |
| 0106 | Margaret Hardy<br>MW 3:00pm - 3:50pm<br>Tu 11:00am - 11:50am | Seats (Total: 30)<br>LEF 2205<br>ARM 0119 | <br><br>Discussion |
| 0107 | Margaret Hardy<br>MW 3:00pm - 3:50pm<br>Tu 12:30pm - 1:20pm | Seats (Total: 30)<br>LEF 2205<br>TYD 2108 | <br><br>Discussion |
| 0108 | Margaret Hardy<br>MW 3:00pm - 3:50pm<br>Tu 2:00pm - 2:50pm | Seats (Total: 30)<br>LEF 2205<br>KEY 0123 | <br><br>Discussion |
| 0201 | Emily Swoveland<br>MW 12:00pm - 12:50pm<br>W 9:00am - 9:50am | Seats (Total: 30)<br>SKN 0200<br>LEF 1201 | <br><br>Discussion |
| 0202 | Emily Swoveland<br>MW 12:00pm - 12:50pm<br>W 10:00am - 10:50am | Seats (Total: 30)<br>SKN 0200<br>LEF 1201 | <br><br>Discussion |

| | | | |
|---|---|---|---|
| 0203 | Emily Swoveland<br>MW 12:00pm - 12:50pm<br>W 1:00pm - 1:50pm | Seats (Total: 30)<br>SKN 0200<br>LEF 1201 | Discussion |
| 0204 | Emily Swoveland<br>MW 12:00pm - 12:50pm<br>W 2:00pm - 2:50pm | Seats (Total: 30)<br>SKN 0200<br>LEF 1220 | Discussion |
| 0205 | Emily Swoveland<br>MW 12:00pm - 12:50pm<br>Th 9:30am - 10:20am | Seats (Total: 30)<br>SKN 0200<br>TYD 2108 | Discussion |
| 0206 | Emily Swoveland<br>MW 12:00pm - 12:50pm<br>Th 11:00am - 11:50am | Seats (Total: 30)<br>SKN 0200<br>KEY 1117 | Discussion |
| 0207 | Emily Swoveland<br>MW 12:00pm - 12:50pm<br>Th 12:30pm - 1:20pm | Seats (Total: 30)<br>SKN 0200<br>TYD 2108 | Discussion |
| 0208 | Emily Swoveland<br>MW 12:00pm - 12:50pm<br>Th 2:00pm - 2:50pm | Seats (Total: 30)<br>SKN 0200<br>LEF 1220 | Discussion |

**CCJS105** **Introduction to Criminology**

**CCJS105 Introduction to Criminology; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
Criminal behavior and the methods of its study; causation; typologies of criminal acts and offenders; punishment, correction and incapacitation; prevention of crime.

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| 0101 | Kiminori Nakamura<br>MW 12:00pm - 12:50pm<br>M 9:00am - 9:50am | Seats (Total: 30)<br>TYD 0130<br>LEF 1220 | Discussion |
| 0102 | Kiminori Nakamura<br>MW 12:00pm - 12:50pm<br>M 11:00am - 11:50am | Seats (Total: 30)<br>TYD 0130<br>LEF 1201 | Discussion |

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| 0103 | Kiminori Nakamura<br>MW 12:00pm - 12:50pm<br>M 10:00am - 10:50am | Seats (Total: 30)<br>TYD 0130<br>SQH 2122 | Discussion |
| 0104 | Kiminori Nakamura<br>MW 12:00pm - 12:50pm<br>Tu 2:00pm - 2:50pm | Seats (Total: 30)<br>TYD 0130<br>KEY 0120 | Discussion |
| 0105 | Kiminori Nakamura<br>MW 12:00pm - 12:50pm<br>M 1:00pm - 1:50pm | Seats (Total: 30)<br>TYD 0130<br>KEY 0125 | Discussion |
| 0106 | Kiminori Nakamura<br>MW 12:00pm - 12:50pm<br>W 9:00am - 9:50am | Seats (Total: 30)<br>TYD 0130<br>HJP 1125 | Discussion |
| 0107 | Kiminori Nakamura<br>MW 12:00pm - 12:50pm<br>Th 11:00am - 11:50am | Seats (Total: 30)<br>TYD 0130<br>COL 0100 | Discussion |
| 0108 | Kiminori Nakamura<br>MW 12:00pm - 12:50pm<br>W 2:00pm - 2:50pm | Seats (Total: 30)<br>TYD 0130<br>LEF 1201 | Discussion |
| 0201 | Brendan Dooley<br>TuTh 2:00pm - 2:50pm<br>M 10:00am - 10:50am | Seats (Total: 30)<br>CHM 1407<br>LEF 2208 | Discussion |
| 0202 | Brendan Dooley<br>TuTh 2:00pm - 2:50pm<br>M 1:00pm - 1:50pm | Seats (Total: 30)<br>CHM 1407<br>TYD 2110 | Discussion |
| 0203 | Brendan Dooley<br>TuTh 2:00pm - 2:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 30)<br>CHM 1407<br>LEF 1220 | Discussion |
| 0204 | Brendan Dooley<br>TuTh 2:00pm - 2:50pm<br>M 2:00pm - 2:50pm | Seats (Total: 30)<br>CHM 1407<br>SQH 1117 | Discussion |

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| 0205 | Brendan Dooley<br>TuTh 2:00pm - 2:50pm<br>W 10:00am - 10:50am | Seats (Total: 30)<br>CHM 1407<br>LEF 2208 | Discussion |
| 0206 | Brendan Dooley<br>TuTh 2:00pm - 2:50pm<br>W 12:00pm - 12:50pm | Seats (Total: 30)<br>CHM 1407<br>LEF 1220 | Discussion |
| 0207 | Brendan Dooley<br>TuTh 2:00pm - 2:50pm<br>W 1:00pm - 1:50pm | Seats (Total: 30)<br>CHM 1407<br>HBK 1108 | Discussion |
| 0208 | Brendan Dooley<br>TuTh 2:00pm - 2:50pm<br>F 11:00am - 11:50am | Seats (Total: 30)<br>CHM 1407<br>EDU 2119 | Discussion |
| 0301 | Brendan Dooley<br>TuTh 12:30pm - 1:20pm<br>M 2:00pm - 2:50pm | Seats (Total: 30)<br>SKN 0200<br>SKN 0104 | Discussion |
| 0302 | Brendan Dooley<br>TuTh 12:30pm - 1:20pm<br>Tu 11:00am - 11:50am | Seats (Total: 30)<br>SKN 0200<br>JMZ 0208 | Discussion |
| 0303 | Brendan Dooley<br>TuTh 12:30pm - 1:20pm<br>Th 2:00pm - 2:50pm | Seats (Total: 30)<br>SKN 0200<br>JMZ 1122 | Discussion |
| 0304 | Brendan Dooley<br>TuTh 12:30pm - 1:20pm<br>W 3:00pm - 3:50pm | Seats (Total: 30)<br>SKN 0200<br>LEF 1201 | Discussion |
| 0305 | Brendan Dooley<br>TuTh 12:30pm - 1:20pm<br>Th 9:30am - 10:20am | Seats (Total: 30)<br>SKN 0200<br>HJP 1125 | Discussion |
| 0306 | Brendan Dooley<br>TuTh 12:30pm - 1:20pm<br>M 11:00am - 11:50am | Seats (Total: 30)<br>SKN 0200<br>LEF 2208 | Discussion |

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| 0307 | Brendan Dooley<br>TuTh 12:30pm - 1:20pm<br>W 2:00pm - 2:50pm | Seats (Total: 30)<br>SKN 0200<br>SKN 0104 | <br><br>Discussion |
| 0308 | Brendan Dooley<br>TuTh 12:30pm - 1:20pm<br>Tu 2:00pm - 2:50pm | Seats (Total: 30)<br>SKN 0200<br>MMH 0108 | <br><br>Discussion |

**CCJS200** **Statistics for Criminology and Criminal Justice**

**CCJS200** *(PermReq)* **Statistics for Criminology and Criminal Justice; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Analytic Reasoning. *Prerequisite: CCJS100 or CCJS105; and minimum grade of C- in MATH111. Restriction: Must be in Criminology and Criminal Justice program; or permission of BSOS-Criminology & Criminal Justice department. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200 or SOCY201.* Introduction to descriptive and inferential statistics, graphical techniques, and the computer analysis of criminology and criminal justice data. Basic procedures of hypothesis testing, correlation and regression analysis, and the analysis of continuous and binary dependent variables. Emphasis upon the examination of research problems and issues in criminology and criminal justice.

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| 0101 | Raymond Paternoster<br>TuTh 12:30pm - 1:45pm<br>Th 3:00pm - 3:50pm | Seats (Total: 30)<br>MMH 1400<br>COL 0102 | <br><br>Discussion |
| 0102 | Raymond Paternoster<br>TuTh 12:30pm - 1:45pm<br>Th 2:00pm - 2:50pm | Seats (Total: 30)<br>MMH 1400<br>MMH 0108 | <br><br>Discussion |
| 0103 | Raymond Paternoster<br>TuTh 12:30pm - 1:45pm<br>F 12:00pm - 12:50pm | Seats (Total: 30)<br>MMH 1400<br>LEF 2208 | <br><br>Discussion |
| 0104 | Raymond Paternoster<br>TuTh 12:30pm - 1:45pm<br>F 9:00am - 9:50am | Seats (Total: 30)<br>MMH 1400<br>MMH 0108 | <br><br>Discussion |

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| 0105 | Raymond Paternoster<br>TuTh 12:30pm - 1:45pm<br>F 11:00am - 11:50am | Seats (Total: 30)<br>MMH 1400<br>EDU 3315 | Discussion |
| 0106 | Raymond Paternoster<br>TuTh 12:30pm - 1:45pm<br>F 10:00am - 10:50am | Seats (Total: 30)<br>MMH 1400<br>COL 0100 | Discussion |

**CCJS230** **Criminal Law in Action**

**CCJS230** *(PermReq)* **Criminal Law in Action; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: CCJS100.* Law as one of the methods of social control. Criminal law: its nature, sources and types; theories and historical developments. Behavioral and legal aspects of criminal acts. Classification and analysis of selected criminal offenses.

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| 0101 | Christine Roberts White<br>MWF 9:00am - 9:50am | Seats (Total: 100)<br>LEF 2205 |
| 0201 | Russell Hamill<br>Th 4:00pm - 6:30pm | Seats (Total: 100)<br>MMH 1400 |

**CCJS234** **Law of Criminal Investigation**

**CCJS234** *(PermReq)* **Law of Criminal Investigation; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: CCJS100 and CCJS230.* General principles and theories of criminal procedure. Due process. Arrest, search and seizure. Recent developments. Study and evaluation of evidence and proof.

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| 0101 | David Salem<br>Th 6:00pm - 8:30pm | Seats (Total: 100)<br>KEY 0102 |

**CCJS300** **Criminological and Criminal Justice Research Methods**

**CCJS300** *(PermReq)* **Criminological and Criminal Justice Research Methods; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
*Prerequisite: CCJS100 and CCJS105; and (PSYC200, CCJS200, ECON321, BMGT230, or SOCY201).* Introduction to the formulation of research questions covering crime and justice, research designs, data collection, and interpretation and reporting in criminological and justice-system settings.

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| 0101 | Laure Brooks<br>MWF 9:00am - 9:50am | Seats (Total: 60)<br>TYD 2111 |
| 0201 | Laure Brooks<br>MWF 11:00am - 11:50am | Seats (Total: 60)<br>TYD 2111 |
| 0301 | Alan Lehman<br>TuTh 12:30pm - 1:45pm | Seats (Total: 60)<br>CCC 1100 |
| 0401 | Alan Lehman<br>TuTh 11:00am - 12:15pm | Seats (Total: 60)<br>CCC 1100 |

**CCJS320** **Introduction to Criminalistics**

**CCJS320** *(PermReq)* **Introduction to Criminalistics; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: CCJS100 and CCJS230.* An introduction to modern methods used in the detection, investigation and solution of crimes. Practical analysis of evidence in a crime laboratory, including fingerprints and other impressions, firearms ID and ballistics, hairs and fibers, document examination, and use of polygraph. Students will be separated into lab groups on Mondays and Tuesdays between 6 p.m. and 8:45 p.m. Students intending to take this course will need to leave these days and times available. Actual meeting days may vary.

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| 0101 | Thomas Mauriello<br>MTu 6:00pm - 7:15pm<br>Contact instructor or department for details. | Seats (Total: 45)<br>MMH 1400 |
| 0201 | Thomas Mauriello<br>MTu 7:30pm - 8:45pm<br>Contact instructor or department for details. | Seats (Total: 45)<br>MMH 1400 |

**CCJS325** **Slavery in the Twenty First Century: Combating Human Trafficking**

**CCJS325 Slavery in the Twenty First Century: Combating Human Trafficking; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
*Credit only granted for: CCJS325 or CCJS498R. Formerly: CCJS498R.* The trafficking of human beings in its historical, legal, economic, political and social contexts. Scope of the global problem, different forms of human trafficking, and regional trends and practices. Roles of government, the international community and individual actors. Strategies to combat trafficking.

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| 0101 | Christine Roberts White<br>M 1:00pm - 3:30pm | Seats (Total: 80)<br>SYM 0200 |

**CCJS330** **Contemporary Criminological Issues**

**CCJS330** *(PermReq)* **Contemporary Criminological Issues; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: CCJS100 and CCJS105.* Topics may include career criminals, prison overcrowding, prediction, ecological studies of crimes, family and delinquency, entrepreneurship in criminal justice and criminology, and similar criminological problems.

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| 0101 | Brendan Dooley<br>TuTh 3:30pm - 4:45pm | Seats (Total: 50)<br>LEF 2166 |

**CCJS332** **Major Transitions: From Undergraduate to Professional**

**CCJS332** *(PermReq)* **Major Transitions: From Undergraduate to Professional; (1 credit)** Grade Method: REG/P-F/AUD.
*Restriction: Must be in Criminology and Criminal Justice program; and sophomore standing or higher.* This course is designed to assist criminology and criminal justice students explore career opportunities. Topics will include: graduate school, law school, career opportunities in federal, state, local, and public agencies, resume writing, and internships.

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| 0101 | Nicole Jackson<br>W 12:00pm - 12:50pm | Seats (Total: 50)<br>TYD 1102 |

**CCJS340** **Policing**

**CCJS340** *(PermReq)* **Policing; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: CCJS100; or students who have taken courses with comparable content may contact the department.* Critical issues relating to policing. Topics include police discretion, role of police, use of force, misconduct, police research, administration, personnel, and etc.

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| 0101 | Laure Brooks<br>MWF 10:00am - 10:50am | Seats (Total: 200)<br>LEF 2205 |
| 0201 | David Mitchell<br>TuTh 2:00pm - 3:15pm | Seats (Total: 50)<br>SQH 1120 |

**CCJS350** **Juvenile Delinquency**

**CCJS350** *(PermReq)* **Juvenile Delinquency; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: CCJS105.* Juvenile delinquency in relation to the general problem of crime; analysis of factors underlying juvenile delinquency; treatment and prevention; organization and social responsibility of law enforcement.

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| 0101 | Megan Augustyn<br>TuTh 9:30am - 10:45am | Seats (Total: 100)<br>MMH 1400 |
| 0201 | Christine Roberts White<br>MWF 10:00am - 10:50am | Seats (Total: 100)<br>BPS 1250 |

**CCJS358B** **Special Topics in Study Abroad III; Criminology in Scandanavia**
**Contact department for information to register for this course.**

**CCJS359** **Field Training in Criminology and Corrections**

**CCJS359** *(PermReq)* **Field Training in Criminology and Corrections; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: CCJS 105 or CRIM 220; and CCJS 350 or CRIM 450; and permission of department. For majors only.

**Contact department for information to register for this course.**

**CCJS370** **Race, Crime and Criminal Justice**

**CCJS370** *(PermReq)* **Race, Crime and Criminal Justice; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.
*Prerequisite: CCJS100; or students who have taken courses with comparable content may contact the department.* Role and treatment of racial/ethnic minorities in the criminal justice system. Course will provide students with historical and theoretical framework for understanding this dynamic.

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| 0101 | Christine Roberts White | Seats (Total: 50) |
| | W 2:00pm - 4:30pm | TYD 1102 |

**CCJS386** **Experiential Learning**

**CCJS386** *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
*Restriction: Permission of BSOS-Criminology & Criminal Justice department; and junior standing or higher.*

**Contact department for information to register for this course.**

**CCJS389H** **Independent Research in Criminology and Criminal Justice**

**CCJS389H** *(PermReq)* **Independent Research in Criminology and Criminal Justice; (1-6 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Denise Gottfredson | Seats (Total: 20) |
| | F 11:00am - 1:45pm | WDS 1127 |

**CCJS398** **Law Enforcement Field Training**

**CCJS398** *(PermReq)* **Law Enforcement Field Training; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: junior standing. For majors only.

**Contact department for information to register for this course.**

**CCJS399** **Independent Study in Criminology and Criminal Justice**

**CCJS399** *(PermReq)* **Independent Study in Criminology and Criminal Justice; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: written consent of faculty under whose direction the study is to be performed, and at least twelve hours of CCJS credits.

**Contact department for information to register for this course.**

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**CCJS418B** **Seminar in Criminology and Criminal Justice; Cyber Crime**

**CCJS418B** *(PermReq)* **Seminar in Criminology and Criminal Justice: Cyber Crime; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100, CCJS105 and permission of department.

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| 0101 | David Maimon | Seats (Total: 30) |
| | TuTh 2:00pm - 3:15pm | ARC 1105 |

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**CCJS418G** **Seminar in Criminology and Criminal Justice; Analyzing Criminological Research**

**CCJS418G** *(PermReq)* **Seminar in Criminology and Criminal Justice: Analyzing Criminological Research; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS 100, CCJS 105, CCJS 200 and CCJS 300. Department p ermission required.

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| 0101 | Jean McGloin | Seats (Total: 30) |
| | W 4:00pm - 6:30pm | WDS 1130 |

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**CCJS418J** **Seminar in Criminology and Criminal Justice; Immigration and Crime**

**CCJS418J** *(PermReq)* **Seminar in Criminology and Criminal Justice: Immigration and Crime; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: CCJS100 and CCJS105.

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| 0101 | Megan Augustyn | Seats (Total: 50) |
| | TuTh 12:30pm - 1:45pm | HBK 0115 |

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**CCJS440** **Security Administration**

**CCJS440** *(PermReq)* **Security Administration; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: CCJS100 and CCJS340. Credit only granted for: CCJS440 or CCJS498Z. Formerly: CCJS498Z.* Designed to introduce students to the complex issues of Security Administration and the critical terrorism issues facing the nation. Emphasis is placed on understanding the historical and contemporary issues effecting U.S. Counterterrorism Policy. It also explores the challenges facing today's security administrators including: ethics, classified information, intelligence, terrorist organizations and incidents, physical and personnel security, transportation and border security issues.

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| 0101 | Michael Jensen<br>W 6:00pm - 8:30pm | Seats (Total: 50)<br>SQH 1120 |
| SG91 | Ryan Cotter<br>Tu 2:00pm - 4:30pm<br>*Limited to CCJS students at Shady Grove.* | Seats (Total: 40)<br>BLD3 2225 |

**CCJS444** **Advanced Law Enforcement Administration**

**CCJS444** *(PermReq)* **Advanced Law Enforcement Administration; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: CCJS100 and CCJS340.* The structuring of manpower, material, and systems to accomplish the major goals of social control. Personnel and systems management. Political controls and limitations on authority and jurisdiction.

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| 0101 | Stan Malm<br>Th 5:00pm - 7:30pm | Seats (Total: 50)<br>LEF 2205 |

**CCJS451** **Crime and Delinquency Prevention**

**CCJS451** *(PermReq)* **Crime and Delinquency Prevention; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: CCJS300. And CCJS350 or CCJS105; or permission of BSOS-Criminology & Criminal Justice department.* Methods and programs in prevention of crime and delinquency.

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| 0101 | Brendan Dooley<br>MW 3:00pm - 4:15pm | Seats (Total: 75)<br>TYD 2106 |

**CCJS452** **Treatment of Criminals and Delinquents**

**CCJS452** *(PermReq)* **Treatment of Criminals and Delinquents; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: CCJS300. And CCJS350 or CCJS105; or permission of BSOS-Criminology & Criminal Justice department.* Processes and methods used to modify criminal and delinquent behavior.

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| 0101 | Sarah Greenman<br>TuTh 11:00am - 12:15pm | Seats (Total: 75)<br>TYD 0117 |
| 0201 | Kiminori Nakamura<br>Tu 4:00pm - 6:30pm | Seats (Total: 60)<br>KEY 1117 |
| SG91 | Eileen Ahlin<br>TuTh 9:30am - 10:45am<br>*Limit to CCJS students at Shady Grove.* | Seats (Total: 40)<br>BLD3 2226 |

**CCJS454** **Contemporary Criminological Theory**

**CCJS454** *(PermReq)* **Contemporary Criminological Theory; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: CCJS350, CCJS300, and CCJS105.* Brief historical overview of criminological theory up to the 50's. Deviance. Labeling. Typologies. Most recent research in criminalistic subcultures and middle class delinquency. Recent proposals for "decriminalization".

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| 0101 | Stephen McGuinn<br>TuTh 3:30pm - 4:45pm | Seats (Total: 50)<br>SQH 1117 |
| 0201 | David Maimon<br>TuTh 9:30am - 10:45am | Seats (Total: 49)<br>JMZ 2206 |

**CCJS461** **Psychology of Criminal Behavior**
**Contact department for information to register for this course.**

**CCJS498A** **Selected Topics in Criminology and Criminal Justice: Women and Crime**

**CCJS498A Selected Topics in Criminology and Criminal Justice: Women and Crime; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

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| SG91 | Rebecca Morse | Seats (Total: 40) |
| | TuTh 11:00am - 12:15pm | BLD3 3240 |
| | *Limited to CCJS students at Shady Grove.* | |

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**CCJS498B** **Selected Topics in Criminology and Criminal Justice; Controversies and New Directions in Criminal Justice**

**CCJS498B** *(PermReq)* **Selected Topics in Criminology and Criminal Justice: Controversies and New Directions in Criminal Justice; (3 credits)** Grade Method: REG/P-F/AUD.

Prerequisites: CCJS100 and CCJS105. Department permission required.

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| 0101 | Brian Johnson | Seats (Total: 30) |
| | M 4:00pm - 6:30pm | KEY 0120 |

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**CCJS498C** **Selected Topics in Criminology and Criminal Justice; Police and Campus Interaction**

**CCJS498C** *(PermReq)* **Selected Topics in Criminology and Criminal Justice: Police and Campus Interaction; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Charles Wellford | Seats (Total: 32) |
| | MW 3:30pm - 4:45pm | LEF 1220 |

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**CCJS498G** **Selected Topics in Criminology and Criminal Justice; Contemporary Criminal Procedures and Gangs**

**CCJS498G Selected Topics in Criminology and Criminal Justice: Contemporary Criminal Procedures and Gangs; (3 credits)** Grade Method: REG/P-F/AUD.

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| SG91 | Shawn Eastman | Seats (Total: 40) |
| | TuTh 12:30pm - 1:45pm | BLD3 2226 |
| | *Limited to CCJS students at Shady Grove.* | |

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**CCJS498I** **Selected Topics in Criminology and Criminal Justice; Computer and Digital Forensics**

**CCJS498I Selected Topics in Criminology and Criminal Justice: Computer and Digital Forensics; (3 credits)** Grade Method: REG/P-F/AUD.

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| SG91 | John Conroy | Seats (Total: 30) |
| | MW 12:30pm - 1:45pm | BLD3 2203 |
| | *Limit to CCJS students at Shady Grove.* | |

**CCJS498L** **Selected Topics in Criminology and Criminal Justice; Ethics in Criminal Justice**

**CCJS498L Selected Topics in Criminology and Criminal Justice: Ethics in Criminal Justice; (3 credits)** Grade Method: REG/P-F/AUD.

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| SG91 | Charles Jordan | Seats (Total: 40) |
| | TuTh 12:30pm - 1:45pm | Location: TBA |
| | *Limit to CCJS students at Shady Grove.* | |

**CCJS498Y** **Selected Topics in Criminology and Criminal Justice; Domestic Violence**

**CCJS498Y Selected Topics in Criminology and Criminal Justice: Domestic Violence; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: CCJS100 and CCJS105.

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| SG91 | Nicole Romeiser | Seats (Total: 40) |
| | MW 12:30pm - 1:45pm | BLD3 3206 |
| | *Limit to CCJS students at Shady Grove.* | |

**CCJS600** **Criminal Justice**
**Contact department for information to register for this course.**

**CCJS601** **Policing**

**CCJS601 Policing; (3 credits)** Grade Method: REG.
An introduction to research, theory, and applications of the causes and consequences of police behavior. Community policing, problem-solving methods, police discretion, police misconduct, police crime prevention strategies, and restorative justice.

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| 0101 | Jean McGloin | Seats (Total: 15) |
| | W 10:00am - 12:45pm | LEF 2165E |

**CCJS604** **Policy Analysis Project**

**CCJS604** *(PermReq)* **Policy Analysis Project; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
An application of statistical and conceptual tools to criminal justice data in the student's area of concentration, resulting in a paper reporting the conceptualization, analytic methods and results. The topic of the independent study will be chosen through individual consultation with the instructor.

**Contact department for information to register for this course.**

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**CCJS610** **Research Methods in Criminal Justice and Criminology**

**CCJS610 Research Methods in Criminal Justice and Criminology; (3 credits)** Grade Method: REG/AUD.
*Formerly: CRIM610.* Examination of special research problems and techniques.

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| 0101 | Terence Thornberry<br>Th 4:00pm - 6:45pm | Seats (Total: 23)<br>LEF 1201 |

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**CCJS611** **Statistical Tools for Criminal Justice**
**Contact department for information to register for this course.**

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**CCJS621** **General Linear Models in Criminal Justice Research**

**CCJS621 General Linear Models in Criminal Justice Research; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: CCJS620. Credit only granted for: CCJS498F or CCJS621. Formerly: CCJS498F.* An in-depth exploration of applied linear regression analysis. Covers characteristics of estimates, such as unbiasedness and efficiency. Encourages fluency with the theoretical issues involved in the basic linear regression using simple algebra, familiarity with the general model using matrix algebra, and fluency with the computer application of multivariate regressions and the probit/logit models.

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| 0101 | Laura Dugan<br>M 4:00pm - 6:45pm | Seats (Total: 25)<br>TYD 0111 |

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**CCJS651** **Seminar in Criminology**

**CCJS651 Seminar in Criminology; (3 credits)** Grade Method: REG/AUD.
*Formerly: CRIM651.* Analysis of significant recent issues in Criminology.

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| 0101 | John Laub<br>Tu 4:00pm - 6:45pm | Seats (Total: 45)<br>TYD 1118 |

**CCJS652** **Seminar in Juvenile Delinquency**

**CCJS652 Seminar in Juvenile Delinquency; (3 credits)** Grade Method: REG/AUD. *Formerly: CRIM652.* Analysis of delinquency and its control.

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| 0101 | Denise Gottfredson<br>W 1:00pm - 3:45pm | Seats (Total: 15)<br>LEF 2165E |

**CCJS678C** **Advanced Topics in Criminology and Criminal Justice; Litigation Law**
**Contact department for information to register for this course.**

**CCJS678D** **Advanced Topics in Criminology and Criminal Justice; International Law and Process**
**Contact department for information to register for this course.**

**CCJS678E** **Advanced Topics in Criminology and Criminal Justice; Seminar in Criminal Procedure Law**
**Contact department for information to register for this course.**

**CCJS699** **Special Criminological Problems**

**CCJS699 Special Criminological Problems; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**CCJS699F** **Special Criminological Problems; Preparation for the General Comprehension Exam**

**CCJS699F Special Criminological Problems: Preparation for the General Comprehension Exam; (1-3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Brian Johnson<br>W 4:00pm - 6:45pm | Seats (Total: 15)<br>LEF 2165E |

**CCJS699L** **Special Criminological Problems; Seminar on Causal Inference**

**CCJS699L Special Criminological Problems: Seminar on Causal Inference; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Thomas Loughran<br>Tu 10:00am - 12:45pm | Seats (Total: 15)<br>LEF 216E |

**CCJS699P** **Special Criminological Problems; Testing Criminological Theory**

**CCJS699P Special Criminological Problems: Testing Criminological Theory; (1-3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Thomas Loughran<br>M 10:00am - 12:45pm | Seats (Total: 15)<br>LEF 2165E |

**CCJS720** **Criminal Justice System Planning: Policy Analysis for Crime Control**
**Contact department for information to register for this course.**

**CCJS799** **Master's Thesis Research**

**CCJS799** *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**CCJS898** **Pre-Candidacy Research**

**CCJS898** *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**CCJS899** **Doctoral Dissertation Research**

**CCJS899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# CHBE Chemical and Biomolecular Engineering Spring 2013

**CHBE101** **Introduction to Chemical and Biomolecular Engineering**

**CHBE101 Introduction to Chemical and Biomolecular Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: CHEM135; or students who have taken courses with comparable content may contact the department. Corequisite: MATH141. Restriction: Must be in Engineering: Chemical program; or permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE101 or ENCH215. Formerly: ENCH215.* Introduction to methods of chemical engineering calculations and analysis. Stoichiometric relations, material and energy balances, and behavior of gases, vapors, liquids and solids. Analytical and computer methods.

| | | | |
|---|---|---|---|
| 0101 | Dongxia Liu | Seats (Total: 85) | |
| | MWF 12:00pm - 12:50pm | CHE 2110 | |
| | F 1:00pm - 1:50pm | KEB 1110 | Discussion |

**CHBE302** **Chemical and Biomolecular Engineering Thermodynamics II**

**CHBE302** *(PermReq)* **Chemical and Biomolecular Engineering Thermodynamics II; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: CHBE301. Corequisite: CHBE250. Restriction: Must be in a major within ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE302 or ENCH400. Formerly: ENCH400.* Contemporary trends in chemical engineering thermodynamics that bridge the gap between fundamentals and applications. Thermodynamic analysis of non-ideal and structured systems; such as complex fluids, strongly fluctuating and nanoscale systems, dissipative systems, biosystems, and systems under extreme conditions.

| | | | |
|---|---|---|---|
| 0101 | Jeffery Klauda | Seats (Total: 80) | |
| | TuTh 9:30am - 10:45am | EGR 1202 | |
| | F 1:00pm - 1:50pm | CHE 2108 | Discussion |

**CHBE333** **Chemical Engineering Seminar**

**CHBE333 Chemical Engineering Seminar; (1 credit)** Grade Method: REG/P-F/AUD.
*Restriction: Junior standing; and must be in a major within ENGR-Chemical & Biomolecular Engineering department; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE333 or ENCH333. Formerly: ENCH333.* To develop oral communication skills through a series of class presentations of current chemical engineering topics.

| | | | |
|---|---|---|---|
| 0101 | William Weigand<br>W 2:00pm - 2:50pm | Seats (Total: 15)<br>EGR 3111 | |
| 0102 | William Weigand<br>W 10:00am - 10:50am | Seats (Total: 15)<br>CHE 2145 | |
| 0103 | William Weigand<br>W 3:00pm - 3:50pm | Seats (Total: 15)<br>EGR 0108 | |

**CHBE424** **Chemical and Biomolecular Engineering Transport Phenomena II**

**CHBE424 Chemical and Biomolecular Engineering Transport Phenomena II; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: CHBE422. Corequisite: CHBE302. Restriction: Must be in Engineering: Chemical program; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE424 or ENCH424. Formerly: ENCH424.* Principles of mass and heat transfer as applied to model development and process design. Species continuity equation with application to diffusion, and convection in laminar flow. Macroscopic balances and mass transfer coefficients with application to turbulent flow. Microscopic equation of energy with application to heat conduction, and convection in laminar flow. Macroscopic energy balance and heat transfer coefficients with application to turbulent flow. Heat exchanger design.

| | | | |
|---|---|---|---|
| 0101 | Richard Calabrese<br>TuTh 2:00pm - 3:15pm<br>F 10:00am - 10:50am | Seats (Total: 70)<br>CHE 2108<br>CHE 2108 | <br><br>Discussion |

**CHBE426** **Chemical and Biomolecular Separation Processes**

**CHBE426 Chemical and Biomolecular Separation Processes; (3 credits)** Grade Method: REG/P-F/AUD.
*Corequisite: CHBE302. Restriction: Must be in Engineering: Chemical program; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE426 or ENCH426. Formerly: ENCH426.* Separation by stages operations. Rate dependent separation processes. Design application in distillation, gas absorption, liquid extraction, drying, adsorption and ion exhange.

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|---|---|---|---|
| 0101 | William Weigand<br>MWF 9:00am - 9:50am<br>W 1:00pm - 1:50pm | Seats (Total: 70)<br>CHE 2108<br>CHE 2110 | Discussion |

# CHEM Chemistry Spring 2013

**CHEM131** **Chemistry I - Fundamentals of General Chemistry**

**CHEM131 Chemistry I - Fundamentals of General Chemistry; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab(if taken with CHEM132).
*Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Corequisite: CHEM132. Recommended: For Science majors. Credit only granted for: CHEM103, CHEM131, CHEM135, CHEM153 or CHEM146. Formerly: CHEM103.* An overview of the Periodic Table, inorganic substances, ionic and covalent bonding, bulk properties of materials, chemical equilibrium, and quantitative chemistry. CHEM131 is the first course in a four-semester sequence for students majoring in the sciences, other than Chemistry and Biochemistry majors.

| | | | |
|---|---|---|---|
| 1115 | William Hollinsed<br>TuTh 8:00am - 9:15am<br>M 12:00pm - 12:50pm | Seats (Total: 32)<br>CHM 1407<br>CHM 2201 | Discussion |
| 1116 | William Hollinsed<br>TuTh 8:00am - 9:15am<br>M 1:00pm - 1:50pm | Seats (Total: 32)<br>CHM 1407<br>CHM 2201 | Discussion |
| 1118 | William Hollinsed<br>TuTh 8:00am - 9:15am<br>M 3:00pm - 3:50pm | Seats (Total: 32)<br>CHM 1407<br>CHM 2201 | Discussion |
| 1135 | William Hollinsed<br>TuTh 8:00am - 9:15am<br>W 12:00pm - 12:50pm | Seats (Total: 32)<br>CHM 1407<br>CHM 2201 | Discussion |
| 1136 | William Hollinsed<br>TuTh 8:00am - 9:15am<br>W 1:00pm - 1:50pm | Seats (Total: 32)<br>CHM 1407<br>CHM 2201 | Discussion |

| | | | |
|---|---|---|---|
| 1138 | William Hollinsed<br>TuTh 8:00am - 9:15am<br>W 3:00pm - 3:50pm | Seats (Total: 32)<br>CHM 1407<br>CHM 2201 | <br><br>Discussion |
| 1214 | Lee Friedman<br>TuTh 11:00am - 12:15pm<br>M 11:00am - 11:50am | Seats (Total: 32)<br>CHM 1407<br>CHM 0128 | <br><br>Discussion |
| 1215 | Lee Friedman<br>TuTh 11:00am - 12:15pm<br>M 12:00pm - 12:50pm | Seats (Total: 32)<br>CHM 1407<br>CHM 0128 | <br><br>Discussion |
| 1218 | Lee Friedman<br>TuTh 11:00am - 12:15pm<br>M 3:00pm - 3:50pm | Seats (Total: 32)<br>CHM 1407<br>CHM 0128 | <br><br>Discussion |
| 1234 | Lee Friedman<br>TuTh 11:00am - 12:15pm<br>W 11:00am - 11:50am | Seats (Total: 32)<br>CHM 1407<br>CHM 0128 | <br><br>Discussion |
| 1235 | Lee Friedman<br>TuTh 11:00am - 12:15pm<br>W 12:00pm - 12:50pm | Seats (Total: 32)<br>CHM 1407<br>CHM 0128 | <br><br>Discussion |
| 1238 | Lee Friedman<br>TuTh 11:00am - 12:15pm<br>W 3:00pm - 3:50pm | Seats (Total: 32)<br>CHM 1407<br>CHM 0128 | <br><br>Discussion |
| 1314 | John Ondov<br>TuTh 3:30pm - 4:45pm<br>M 11:00am - 11:50am | Seats (Total: 32)<br>PHY 1412<br>CHM 0122 | <br><br>Discussion |
| 1315 | John Ondov<br>TuTh 3:30pm - 4:45pm<br>M 12:00pm - 12:50pm | Seats (Total: 32)<br>PHY 1412<br>CHM 0122 | <br><br>Discussion |
| 1317 | John Ondov<br>TuTh 3:30pm - 4:45pm<br>M 2:00pm - 2:50pm | Seats (Total: 32)<br>PHY 1412<br>CHM 0122 | <br><br>Discussion |

| | | | |
|---|---|---|---|
| 1334 | John Ondov<br>TuTh 3:30pm - 4:45pm<br>W 11:00am - 11:50am | Seats (Total: 32)<br>PHY 1412<br>CHM 0122 | Discussion |
| 1335 | John Ondov<br>TuTh 3:30pm - 4:45pm<br>W 12:00pm - 12:50pm | Seats (Total: 32)<br>PHY 1412<br>CHM 0122 | Discussion |
| 1337 | John Ondov<br>TuTh 3:30pm - 4:45pm<br>W 2:00pm - 2:50pm | Seats (Total: 32)<br>PHY 1412<br>CHM 0122 | Discussion |
| SES1 | Ajay Mallya<br>M 6:30pm - 9:30pm<br>W 6:30pm - 7:20pm | Seats (Total: 35)<br>CHM 1402<br>CHM 0124 | Discussion |
| | *This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.* | | |

**CHEM132** **General Chemistry I Laboratory**

**CHEM132 General Chemistry I Laboratory; (1 credit)** Grade Method: REG/P-F. *Corequisite: CHEM131. Credit only granted for: CHEM103, CHEM132, CHEM136, CHEM143, or CHEM147. Formerly: CHEM103.* Introduction to the quantification of chemical substances, including the concept of the mole and chemical stoichiometry. Additional work involves the synthesis of ionic substances and their qualitative characterization. Must be taken concurrently with CHEM131. Laboratory sessions will begin after the first lecture. Students must pay a $40.00 Laboratory Materials fee.

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|---|---|---|---|
| 1121 | Maryann Jones<br>M 12:00pm - 2:50pm | Seats (Total: 24)<br>CHM 1105 | Lab |
| 1131 | Maryann Jones<br>M 3:00pm - 5:50pm | Seats (Total: 24)<br>CHM 1106 | Lab |
| 1132 | Maryann Jones<br>M 3:00pm - 5:50pm | Seats (Total: 24)<br>CHM 1110 | Lab |

| | | | |
|---|---|---|---|
| 1133 | Maryann Jones<br>M 3:00pm - 5:50pm | Seats (Total: 24)<br>CHM 1105 | Lab |
| 1211 | Maryann Jones<br>Tu 8:00am - 10:50am | Seats (Total: 24)<br>CHM 1105 | Lab |
| 1231 | Maryann Jones<br>Tu 3:30pm - 6:20pm | Seats (Total: 24)<br>CHM 1106 | Lab |
| 1232 | Maryann Jones<br>Tu 3:30pm - 6:20pm | Seats (Total: 24)<br>CHM 1110 | Lab |
| 1241 | Maryann Jones<br>Tu 6:30pm - 9:20pm | Seats (Total: 24)<br>CHM 1110 | Lab |
| 1321 | Maryann Jones<br>W 12:00pm - 2:50pm | Seats (Total: 24)<br>CHM 1105 | Lab |
| 1322 | Maryann Jones<br>W 12:00pm - 2:50pm | Seats (Total: 24)<br>CHM 1106 | Lab |
| 1331 | Maryann Jones<br>W 3:00pm - 5:50pm | Seats (Total: 24)<br>CHM 1106 | Lab |
| 1334 | Maryann Jones<br>W 3:00pm - 5:50pm | Seats (Total: 24)<br>CHM 1105 | Lab |
| 1341 | Maryann Jones<br>W 6:00pm - 8:50pm | Seats (Total: 24)<br>CHM 1106 | Lab |
| 1412 | Maryann Jones<br>Th 8:00am - 10:50am | Seats (Total: 24)<br>CHM 1110 | Lab |
| 1431 | Maryann Jones<br>Th 3:30pm - 6:20pm | Seats (Total: 24)<br>CHM 1110 | Lab |
| 1432 | Maryann Jones<br>Th 3:30pm - 6:20pm | Seats (Total: 24)<br>CHM 1106 | Lab |
| 1522 | Maryann Jones<br>F 12:00pm - 2:50pm | Seats (Total: 24)<br>CHM 1110 | Lab |

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|---|---|---|---|
| 1523 | Maryann Jones<br>F 12:00pm - 2:50pm | Seats (Total: 24)<br>CHM 1105 | Lab |
| 1531 | Maryann Jones<br>F 3:00pm - 5:50pm | Seats (Total: 24)<br>CHM 1105 | Lab |
| 1532 | Maryann Jones<br>F 3:00pm - 5:50pm | Seats (Total: 24)<br>CHM 1110 | Lab |
| SES1 | Maryann Jones<br>W 7:30pm - 10:20pm<br>*This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.* | Seats (Total: 24)<br>CHM 1110 | Lab |

**CHEM135** **General Chemistry for Engineers**

**CHEM135 General Chemistry for Engineers; (3 credits)** Grade Method: REG. *Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Credit only granted for: CHEM103, CHEM113, CHEM131, CHEM135, or CHEM146.* The nature and composition of matter, solutions, chemical reactions, equilibria, and electrochemistry, with applications to various fields of engineering.

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|---|---|---|---|
| 3125 | Daniel Steffek<br>MWF 2:00pm - 2:50pm<br>Tu 12:30pm - 1:20pm | Seats (Total: 25)<br>CHM 1407<br>CHM 0128 | Discussion |
| 3127 | Daniel Steffek<br>MWF 2:00pm - 2:50pm<br>Tu 2:00pm - 2:50pm | Seats (Total: 25)<br>CHM 1407<br>CHM 0128 | Discussion |
| 3128 | Daniel Steffek<br>MWF 2:00pm - 2:50pm<br>Tu 3:30pm - 4:20pm | Seats (Total: 25)<br>CHM 1407<br>CHM 0128 | Discussion |
| 3145 | Daniel Steffek<br>MWF 2:00pm - 2:50pm<br>Th 12:30pm - 1:20pm | Seats (Total: 25)<br>CHM 1407<br>CHM 0128 | Discussion |

| | | | |
|---|---|---|---|
| 3147 | Daniel Steffek<br>MWF 2:00pm - 2:50pm<br>Th 2:00pm - 2:50pm | Seats (Total: 25)<br>CHM 1407<br>CHM 0128 | Discussion |
| 3148 | Daniel Steffek<br>MWF 2:00pm - 2:50pm<br>Th 3:30pm - 4:20pm | Seats (Total: 25)<br>CHM 1407<br>CHM 0128 | Discussion |
| 3224 | Raffaele Perrotta<br>MWF 8:00am - 8:50am<br>Tu 11:00am - 11:50am | Seats (Total: 23)<br>PHY 1410<br>CHM 0127 | Discussion |
| 3227 | Raffaele Perrotta<br>MWF 8:00am - 8:50am<br>Tu 2:00pm - 2:50pm | Seats (Total: 23)<br>PHY 1410<br>CHM 0127 | Discussion |
| 3228 | Raffaele Perrotta<br>MWF 8:00am - 8:50am<br>Tu 3:30pm - 4:20pm | Seats (Total: 23)<br>PHY 1410<br>CHM 0127 | Discussion |
| 3244 | Raffaele Perrotta<br>MWF 8:00am - 8:50am<br>Th 11:00am - 11:50am | Seats (Total: 23)<br>PHY 1410<br>CHM 0127 | Discussion |
| 3247 | Raffaele Perrotta<br>MWF 8:00am - 8:50am<br>Th 2:00pm - 2:50pm | Seats (Total: 23)<br>PHY 1410<br>CHM 0127 | Discussion |
| 3248 | Raffaele Perrotta<br>MWF 8:00am - 8:50am<br>Th 3:30pm - 4:20pm | Seats (Total: 23)<br>PHY 1410<br>CHM 0127 | Discussion |

**CHEM136** **General Chemistry Laboratory for Engineers**

**CHEM136 General Chemistry Laboratory for Engineers; (1 credit)** Grade Method: REG.
*Prerequisite: Must have completed or be concurrently enrolled in CHEM135.*
*Restriction: Must be in a major in ENGR-A. James Clark School of Engineering.* A laboratory course for engineering majors intending to take CHEM231 and CHEM232. Students must pay a $40.00 lab materials fee.

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|---|---|---|---|
| 3131 | Natalia White<br>M 3:00pm - 5:50pm | Seats (Total: 24)<br>CHM 1111 | Lab |
| 3231 | Natalia White<br>Tu 3:30pm - 6:20pm | Seats (Total: 24)<br>CHM 1111 | Lab |

**CHEM231** **Organic Chemistry I**

**CHEM231 Organic Chemistry I; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: CHEM131, CHEM135, or CHEM146; and (CHEM132, CHEM136, CHEM147, or CHEM177); and a grade of C- or better in the prerequisites is required of College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM232. Credit only granted for: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly: CHEM233.* The chemistry of carbon: aliphatic compounds, aromatic compounds, stereochemistry, arenes, halides, alcohols, esters and spectroscopy.

| | | | |
|---|---|---|---|
| 5116 | Bonnie Dixon<br>TuTh 11:00am - 12:15pm<br>M 1:00pm - 1:50pm | Seats (Total: 35)<br>KEY 0106<br>CHM 0127 | Discussion |
| 5117 | Bonnie Dixon<br>TuTh 11:00am - 12:15pm<br>M 2:00pm - 2:50pm | Seats (Total: 35)<br>KEY 0106<br>CHM 0127 | Discussion |
| 5118 | Bonnie Dixon<br>TuTh 11:00am - 12:15pm<br>M 3:00pm - 3:50pm | Seats (Total: 35)<br>KEY 0106<br>CHM 0127 | Discussion |
| 5136 | Bonnie Dixon<br>TuTh 11:00am - 12:15pm<br>W 1:00pm - 1:50pm | Seats (Total: 35)<br>KEY 0106<br>CHM 0127 | Discussion |
| 5137 | Bonnie Dixon<br>TuTh 11:00am - 12:15pm<br>W 2:00pm - 2:50pm | Seats (Total: 35)<br>KEY 0106<br>CHM 0127 | Discussion |
| 5138 | Bonnie Dixon<br>TuTh 11:00am - 12:15pm<br>W 3:00pm - 3:50pm | Seats (Total: 35)<br>KEY 0106<br>CHM 0127 | Discussion |

| | | | |
|---|---|---|---|
| 5221 | Frederick Khachik<br>MWF 10:00am - 10:50am<br>Tu 8:00am - 8:50am | Seats (Total: 39)<br>CHM 1407<br>CHM 0119 | <br><br>Discussion |
| 5222 | Frederick Khachik<br>MWF 10:00am - 10:50am<br>Tu 9:30am - 10:20am | Seats (Total: 39)<br>CHM 1407<br>CHM 0119 | <br><br>Discussion |
| 5225 | Frederick Khachik<br>MWF 10:00am - 10:50am<br>Tu 12:30pm - 1:20pm | Seats (Total: 39)<br>CHM 1407<br>CHM 0119 | <br><br>Discussion |
| 5241 | Frederick Khachik<br>MWF 10:00am - 10:50am<br>Th 8:00am - 8:50am | Seats (Total: 39)<br>CHM 1407<br>CHM 0119 | <br><br>Discussion |
| 5242 | Frederick Khachik<br>MWF 10:00am - 10:50am<br>Th 9:30am - 10:20am | Seats (Total: 39)<br>CHM 1407<br>CHM 0119 | <br><br>Discussion |
| 5245 | Frederick Khachik<br>MWF 10:00am - 10:50am<br>Th 12:30pm - 1:20pm | Seats (Total: 39)<br>CHM 1407<br>CHM 0119 | <br><br>Discussion |
| 5322 | Frederick Khachik<br>MWF 11:00am - 11:50am<br>Tu 9:30am - 10:20am | Seats (Total: 39)<br>CHM 1407<br>CHE 2136 | <br><br>Discussion |
| 5325 | Frederick Khachik<br>MWF 11:00am - 11:50am<br>Tu 12:30pm - 1:20pm | Seats (Total: 39)<br>CHM 1407<br>EGR 3106 | <br><br>Discussion |
| 5328 | Frederick Khachik<br>MWF 11:00am - 11:50am<br>Tu 3:30pm - 4:20pm | Seats (Total: 39)<br>CHM 1407<br>CHM 0119 | <br><br>Discussion |
| 5342 | Frederick Khachik<br>MWF 11:00am - 11:50am<br>Th 9:30am - 10:20am | Seats (Total: 39)<br>CHM 1407<br>CHE 2136 | <br><br>Discussion |

| | | | |
|---|---|---|---|
| 5345 | Frederick Khachik<br>MWF 11:00am - 11:50am<br>Th 12:30pm - 1:20pm | Seats (Total: 39)<br>CHM 1407<br>CHM 1228 | <br><br>Discussion |
| 5348 | Frederick Khachik<br>MWF 11:00am - 11:50am<br>Th 3:30pm - 4:20pm | Seats (Total: 39)<br>CHM 1407<br>CHM 0119 | <br><br>Discussion |
| 5421 | Herman Ammon<br>MWF 1:00pm - 1:50pm<br>Tu 8:00am - 8:50am | Seats (Total: 39)<br>CHM 1407<br>CHM 0115 | <br><br>Discussion |
| 5427 | Herman Ammon<br>MWF 1:00pm - 1:50pm<br>Tu 2:00pm - 2:50pm | Seats (Total: 39)<br>CHM 1407<br>CHM 0115 | <br><br>Discussion |
| 5428 | Herman Ammon<br>MWF 1:00pm - 1:50pm<br>Tu 3:30pm - 4:20pm | Seats (Total: 39)<br>CHM 1407<br>CHM 0115 | <br><br>Discussion |
| 5441 | Herman Ammon<br>MWF 1:00pm - 1:50pm<br>Th 8:00am - 8:50am | Seats (Total: 39)<br>CHM 1407<br>CHM 0115 | <br><br>Discussion |
| 5447 | Herman Ammon<br>MWF 1:00pm - 1:50pm<br>Th 2:00pm - 2:50pm | Seats (Total: 39)<br>CHM 1407<br>CHM 0115 | <br><br>Discussion |
| 5448 | Herman Ammon<br>MWF 1:00pm - 1:50pm<br>Th 3:30pm - 4:20pm | Seats (Total: 39)<br>CHM 1407<br>CHM 0115 | <br><br>Discussion |
| SES1 | Alan Anderson<br>M 6:30pm - 9:30pm<br>W 6:30pm - 7:20pm<br>*This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.* | Seats (Total: 20)<br>CHM 1224<br>CHM 0122 | <br><br>Discussion |

| | | | |
|---|---|---|---|
| SES2 | Alan Anderson<br>M 6:30pm - 9:30pm<br>W 6:30pm - 7:20pm | Seats (Total: 20)<br>CHM 1224<br>CHM 1224 | <br><br>Discussion |

*This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.*

**CHEM232** **Organic Chemistry Laboratory I**

**CHEM232 Organic Chemistry Laboratory I; (1 credit)** Grade Method: REG. *Prerequisite: CHEM131 and CHEM132; or (CHEM135 and CHEM136); or (CHEM146 and CHEM147). And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM231. Credit only granted for: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly: CHEM233.* Provides experience in developing some basic laboratory techniques, recrystallization, distillation, extraction, chromatography. Students must pay a $40.00 lab materials fee.

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|---|---|---|---|
| 5121 | Maryann Jones<br>M 12:00pm - 2:50pm | Seats (Total: 18)<br>CHM 1360 | <br>Lab |
| 5122 | Maryann Jones<br>M 12:00pm - 2:50pm | Seats (Total: 18)<br>CHM 1356 | <br>Lab |
| 5131 | Maryann Jones<br>M 3:00pm - 5:50pm | Seats (Total: 18)<br>CHM 1360 | <br>Lab |
| 5132 | Maryann Jones<br>M 3:00pm - 5:50pm | Seats (Total: 18)<br>CHM 1356 | <br>Lab |
| 5135 | Maryann Jones<br>M 3:00pm - 5:50pm | Seats (Total: 18)<br>CHM 1342 | <br>Lab |
| 5141 | Maryann Jones<br>M 6:00pm - 8:50pm | Seats (Total: 18)<br>CHM 1356 | <br>Lab |
| 5142 | Maryann Jones<br>M 6:00pm - 8:50pm | Seats (Total: 18)<br>CHM 1342 | <br>Lab |

| | | | |
|---|---|---|---|
| 5143 | Maryann Jones<br>M 6:00pm - 8:50pm | Seats (Total: 18)<br>CHM 1330 | Lab |
| 5221 | Maryann Jones<br>Tu 12:30pm - 3:20pm | Seats (Total: 18)<br>CHM 1360 | Lab |
| 5222 | Maryann Jones<br>Tu 12:30pm - 3:20pm | Seats (Total: 18)<br>CHM 1356 | Lab |
| 5223 | Maryann Jones<br>Tu 12:30pm - 3:20pm | Seats (Total: 18)<br>CHM 1346 | Lab |
| 5224 | Maryann Jones<br>Tu 12:30pm - 3:20pm | Seats (Total: 18)<br>CHM 1342 | Lab |
| 5225 | Maryann Jones<br>Tu 12:30pm - 3:20pm | Seats (Total: 18)<br>CHM 1330 | Lab |
| 5231 | Maryann Jones<br>Tu 3:30pm - 6:20pm | Seats (Total: 18)<br>CHM 1346 | Lab |
| 5232 | Maryann Jones<br>Tu 3:30pm - 6:20pm | Seats (Total: 18)<br>CHM 1356 | Lab |
| 5233 | Maryann Jones<br>Tu 3:30pm - 6:20pm | Seats (Total: 18)<br>CHM 1342 | Lab |
| 5234 | Maryann Jones<br>Tu 3:30pm - 6:20pm | Seats (Total: 18)<br>CHM 1330 | Lab |
| 5235 | Maryann Jones<br>Tu 3:30pm - 6:20pm | Seats (Total: 18)<br>CHM 1360 | Lab |
| 5241 | Maryann Jones<br>Tu 6:30pm - 9:20pm | Seats (Total: 18)<br>CHM 1346 | Lab |
| 5242 | Maryann Jones<br>Tu 6:30pm - 9:20pm | Seats (Total: 18)<br>CHM 1330 | Lab |
| 5311 | Maryann Jones<br>W 8:00am - 10:50am | Seats (Total: 18)<br>CHM 1342 | Lab |

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|---|---|---|---|
| 5322 | Maryann Jones<br>W 12:00pm - 2:50pm | Seats (Total: 18)<br>CHM 1356 | Lab |
| 5323 | Maryann Jones<br>W 12:00pm - 2:50pm | Seats (Total: 18)<br>CHM 1346 | Lab |
| 5324 | Maryann Jones<br>W 12:00pm - 2:50pm | Seats (Total: 18)<br>CHM 1342 | Lab |
| 5331 | Maryann Jones<br>W 3:00pm - 5:50pm | Seats (Total: 18)<br>CHM 1330 | Lab |
| 5332 | Maryann Jones<br>W 3:00pm - 5:50pm | Seats (Total: 18)<br>CHM 1356 | Lab |
| 5333 | Maryann Jones<br>W 3:00pm - 5:50pm | Seats (Total: 18)<br>CHM 1346 | Lab |
| 5334 | Maryann Jones<br>W 3:00pm - 5:50pm | Seats (Total: 18)<br>CHM 1342 | Lab |
| 5335 | Maryann Jones<br>W 3:00pm - 5:50pm | Seats (Total: 18)<br>CHM 1360 | Lab |
| 5341 | Maryann Jones<br>W 6:00pm - 8:50pm | Seats (Total: 18)<br>CHM 1330 | Lab |
| 5411 | Maryann Jones<br>Th 8:00am - 10:50am | Seats (Total: 18)<br>CHM 1330 | Lab |
| 5421 | Maryann Jones<br>Th 12:30pm - 3:20pm | Seats (Total: 18)<br>CHM 1330 | Lab |
| 5422 | Maryann Jones<br>Th 12:30pm - 3:20pm | Seats (Total: 18)<br>CHM 1356 | Lab |
| 5423 | Maryann Jones<br>Th 12:30pm - 3:20pm | Seats (Total: 18)<br>CHM 1346 | Lab |
| 5424 | Maryann Jones<br>Th 12:30pm - 3:20pm | Seats (Total: 18)<br>CHM 1342 | Lab |

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| 5431 | Maryann Jones<br>Th 3:30pm - 6:20pm | Seats (Total: 18)<br>CHM 1346 | Lab |
| 5432 | Maryann Jones<br>Th 3:30pm - 6:20pm | Seats (Total: 18)<br>CHM 1356 | Lab |
| 5433 | Maryann Jones<br>Th 3:30pm - 6:20pm | Seats (Total: 18)<br>CHM 1360 | Lab |
| 5434 | Maryann Jones<br>Th 3:30pm - 6:20pm | Seats (Total: 18)<br>CHM 1342 | Lab |
| 5521 | Maryann Jones<br>F 12:00pm - 2:50pm | Seats (Total: 18)<br>CHM 1346 | Lab |
| 5531 | Maryann Jones<br>F 3:00pm - 5:50pm | Seats (Total: 18)<br>CHM 1360 | Lab |
| SES1 | Maryann Jones<br>W 7:30pm - 10:20pm<br>*This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.* | Seats (Total: 18)<br>CHM 1346 | Lab |
| SES2 | Maryann Jones<br>W 7:30pm - 10:20pm<br>*This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.* | Seats (Total: 18)<br>CHM 1342 | Lab |

**CHEM232S Organic Chemistry Laboratory I**

**CHEM232S Organic Chemistry Laboratory I; (1 credit)** Grade Method: REG. *Prerequisite: CHEM131 and CHEM132; or (CHEM135 and CHEM136); or (CHEM146 and CHEM147). And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM231. Credit only granted for: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly: CHEM233.* Provides experience in developing some basic laboratory techniques, recrystallization, distillation, extraction, chromatography. Students must pay a $40.00 laboratory materials fee.

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|---|---|---|---|
| 5133 | Maryann Jones<br>M 3:00pm - 5:50pm | Seats (Total: 18)<br>CHM 1330 | <br>Lab |
| 5134 | Maryann Jones<br>M 3:00pm - 5:50pm | Seats (Total: 18)<br>CHM 1346 | <br>Lab |
| 5321 | Maryann Jones<br>W 12:00pm - 2:50pm | Seats (Total: 18)<br>CHM 1330 | <br>Lab |

**CHEM237** **Principles of Organic Chemistry I**

**CHEM237 Principles of Organic Chemistry I; (4 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: CHEM131, CHEM135, or CHEM146; and (CHEM132, CHEM136, or CHEM147); and a grade of C- or better in the prerequisites is required of College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Or permission of CMNS-Chemistry & Biochemistry department. Restriction: Must be in one of the following programs (Chemistry; Biochemistry) ; or must be in a major in ENGR-A. James Clark School of Engineering. Credit only granted for: CHEM233, (CHEM231 and CHEM232), or CHEM237.* The chemistry of carbons: aliphatic compounds, aromatic compounds, stereochemistry, arenes, halides, alcohols, esters, and spectroscopy. Students must pay a $40.00 lab materials fee.

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|---|---|---|---|
| 5411 | Herman Sintim<br>MWF 9:00am - 9:50am<br>Th 8:00am - 10:50am<br>Tu 2:00pm - 2:50pm | Seats (Total: 18)<br>CHM 1224<br>CHM 1360<br>CHM 0122 | <br><br>Lab<br>Discussion |

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|---|---|---|---|
| 5421 | Herman Sintim | Seats (Total: 18) | |
| | MWF 9:00am - 9:50am<br>Th 12:30pm - 3:20pm<br>Tu 12:30pm - 1:20pm | CHM 1224<br>CHM 1360<br>CHM 0122 | <br>Lab<br>Discussion |

**CHEM241** **Organic Chemistry II**

**CHEM241 Organic Chemistry II; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: CHEM231 and CHEM232; or CHEM237. And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Credit only granted for: CHEM241, CHEM243 or CHEM247. Formerly: CHEM243.* A continuation of CHEM231 with emphasis on molecular structure; substitution reactions; carbonium ions; aromaticity; synthetic processes; macromolecules.

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|---|---|---|---|
| 6121 | Michael Montague-Smith | Seats (Total: 28) | |
| | MWF 8:00am - 8:50am<br>Tu 8:00am - 8:50am | CHM 1407<br>CHM 2201 | <br>Discussion |
| 6125 | Michael Montague-Smith | Seats (Total: 28) | |
| | MWF 8:00am - 8:50am<br>Tu 12:30pm - 1:20pm | CHM 1407<br>CHM 2201 | <br>Discussion |
| 6127 | Michael Montague-Smith | Seats (Total: 28) | |
| | MWF 8:00am - 8:50am<br>Tu 2:00pm - 2:50pm | CHM 1407<br>CHM 2201 | <br>Discussion |
| 6141 | Michael Montague-Smith | Seats (Total: 28) | |
| | MWF 8:00am - 8:50am<br>Th 8:00am - 8:50am | CHM 1407<br>CHM 2201 | <br>Discussion |
| 6145 | Michael Montague-Smith | Seats (Total: 28) | |
| | MWF 8:00am - 8:50am<br>Th 12:30pm - 1:20pm | CHM 1407<br>CHM 2201 | <br>Discussion |
| 6147 | Michael Montague-Smith | Seats (Total: 28) | |
| | MWF 8:00am - 8:50am<br>Th 2:00pm - 2:50pm | CHM 1407<br>CHM 2201 | <br>Discussion |

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|---|---|---|---|
| 6222 | Daniel Falvey<br>MWF 12:00pm - 12:50pm<br>Tu 9:30am - 10:20am | Seats (Total: 28)<br>HJP 0226<br>CHM 0128 | Discussion |
| 6225 | Daniel Falvey<br>MWF 12:00pm - 12:50pm<br>Tu 12:30pm - 1:20pm | Seats (Total: 28)<br>HJP 0226<br>CHE 2136 | Discussion |
| 6227 | Daniel Falvey<br>MWF 12:00pm - 12:50pm<br>Tu 2:00pm - 2:50pm | Seats (Total: 28)<br>HJP 0226<br>HBK 0109 | Discussion |
| 6242 | Daniel Falvey<br>MWF 12:00pm - 12:50pm<br>Th 9:30am - 10:20am | Seats (Total: 28)<br>HJP 0226<br>CHM 0128 | Discussion |
| 6245 | Daniel Falvey<br>MWF 12:00pm - 12:50pm<br>Th 12:30pm - 1:20pm | Seats (Total: 28)<br>HJP 0226<br>CHM 0127 | Discussion |
| 6247 | Daniel Falvey<br>MWF 12:00pm - 12:50pm<br>Th 2:00pm - 2:50pm | Seats (Total: 28)<br>HJP 0226<br>CHM 0122 | Discussion |
| 6321 | Lyle Isaacs<br>MWF 3:00pm - 3:50pm<br>Tu 8:00am - 8:50am | Seats (Total: 27)<br>CHM 1407<br>CHM 0122 | Discussion |
| 6322 | Lyle Isaacs<br>MWF 3:00pm - 3:50pm<br>Tu 9:30am - 10:20am | Seats (Total: 27)<br>CHM 1407<br>CHM 0122 | Discussion |
| 6325 | Lyle Isaacs<br>MWF 3:00pm - 3:50pm<br>Tu 12:30pm - 1:20pm | Seats (Total: 27)<br>CHM 1407<br>JMP 1202 | Discussion |
| 6341 | Lyle Isaacs<br>MWF 3:00pm - 3:50pm<br>Th 8:00am - 8:50am | Seats (Total: 27)<br>CHM 1407<br>CHM 0122 | Discussion |

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|---|---|---|---|
| 6342 | Lyle Isaacs<br>MWF 3:00pm - 3:50pm<br>Th 9:30am - 10:20am | Seats (Total: 27)<br>CHM 1407<br>CHM 0122 | <br><br>Discussion |
| 6345 | Lyle Isaacs<br>MWF 3:00pm - 3:50pm<br>Th 12:30pm - 1:20pm | Seats (Total: 27)<br>CHM 1407<br>CHM 0122 | <br><br>Discussion |
| SES1 | Howard Fribush<br>M 6:30pm - 9:30pm<br>W 6:30pm - 7:20pm<br>*This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.* | Seats (Total: 22)<br>PLS 1140<br>CHM 2201 | <br><br>Discussion |
| SES2 | Howard Fribush<br>M 6:30pm - 9:30pm<br>W 6:30pm - 7:20pm<br>*This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.* | Seats (Total: 19)<br>PLS 1140<br>CHM 0127 | <br><br>Discussion |

**CHEM242** **Organic Chemistry Laboratory II**

**CHEM242 Organic Chemistry Laboratory II; (1 credit)** Grade Method: REG. *Prerequisite: CHEM231 and CHEM232; or CHEM237. And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM241. Credit only granted for: CHEM243 or CHEM247. Formerly: CHEM243.* Synthetic organic chemistry through functional group manipulation, introduction to instrumentation essential to analysis and structure elucidation. Students must pay a $40.00 lab materials fee.

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|---|---|---|---|
| 6121 | Daniel Steffek<br>M 12:00pm - 2:50pm | Seats (Total: 18)<br>CHM 1326 | <br>Lab |
| 6131 | Daniel Steffek<br>M 3:00pm - 5:50pm | Seats (Total: 18)<br>CHM 1302 | <br>Lab |

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|---|---|---|---|
| 6132 | Daniel Steffek<br>M 3:00pm - 5:50pm | Seats (Total: 18)<br>CHM 1308 | Lab |
| 6141 | Daniel Steffek<br>M 6:00pm - 8:50pm | Seats (Total: 18)<br>CHM 1326 | Lab |
| 6211 | Daniel Steffek<br>Tu 8:00am - 10:50am | Seats (Total: 18)<br>CHM 1326 | Lab |
| 6221 | Daniel Steffek<br>Tu 12:30pm - 3:20pm | Seats (Total: 18)<br>CHM 1302 | Lab |
| 6222 | Daniel Steffek<br>Tu 12:30pm - 3:20pm | Seats (Total: 18)<br>CHM 1308 | Lab |
| 6231 | Daniel Steffek<br>Tu 3:30pm - 6:20pm | Seats (Total: 18)<br>CHM 1302 | Lab |
| 6232 | Daniel Steffek<br>Tu 3:30pm - 6:20pm | Seats (Total: 18)<br>CHM 1326 | Lab |
| 6233 | Daniel Steffek<br>Tu 3:30pm - 6:20pm | Seats (Total: 18)<br>CHM 1308 | Lab |
| 6241 | Daniel Steffek<br>Tu 6:30pm - 9:20pm | Seats (Total: 18)<br>CHM 1326 | Lab |
| 6242 | Daniel Steffek<br>Tu 6:30pm - 9:20pm | Seats (Total: 18)<br>CHM 1308 | Lab |
| 6311 | Daniel Steffek<br>W 8:00am - 10:50am | Seats (Total: 18)<br>CHM 1302 | Lab |
| 6321 | Daniel Steffek<br>W 12:00pm - 2:50pm | Seats (Total: 18)<br>CHM 1302 | Lab |
| 6322 | Daniel Steffek<br>W 12:00pm - 2:50pm | Seats (Total: 18)<br>CHM 1308 | Lab |
| 6331 | Daniel Steffek<br>W 3:00pm - 5:50pm | Seats (Total: 18)<br>CHM 1302 | Lab |

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|---|---|---|---|
| 6332 | Daniel Steffek<br>W 3:00pm - 5:50pm | Seats (Total: 18)<br>CHM 1326 | Lab |
| 6333 | Daniel Steffek<br>W 3:00pm - 5:50pm | Seats (Total: 18)<br>CHM 1308 | Lab |
| 6341 | Daniel Steffek<br>W 6:00pm - 8:50pm | Seats (Total: 18)<br>CHM 1302 | Lab |
| 6411 | Daniel Steffek<br>Th 8:00am - 10:50am | Seats (Total: 18)<br>CHM 1308 | Lab |
| 6422 | Daniel Steffek<br>Th 12:30pm - 3:20pm | Seats (Total: 18)<br>CHM 1308 | Lab |
| 6423 | Daniel Steffek<br>Th 12:30pm - 3:20pm | Seats (Total: 18)<br>CHM 1302 | Lab |
| 6431 | Daniel Steffek<br>Th 3:30pm - 6:20pm | Seats (Total: 18)<br>CHM 1326 | Lab |
| 6432 | Daniel Steffek<br>Th 3:30pm - 6:20pm | Seats (Total: 18)<br>CHM 1308 | Lab |
| 6433 | Daniel Steffek<br>Th 3:30pm - 6:20pm | Seats (Total: 18)<br>CHM 1302 | Lab |
| 6522 | Daniel Steffek<br>F 12:00pm - 2:50pm | Seats (Total: 18)<br>CHM 1326 | Lab |
| 6531 | Daniel Steffek<br>F 3:00pm - 5:50pm | Seats (Total: 18)<br>CHM 1326 | Lab |
| SES1 | Daniel Steffek<br>W 7:30pm - 10:20pm<br>*This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.* | Seats (Total: 18)<br>CHM 1326 | Lab |

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|---|---|---|---|
| SES2 | Daniel Steffek<br>W 7:30pm - 10:20pm | Seats (Total: 22)<br>CHM 1308 | Lab |

**CHEM271** **General Chemistry and Energetics**

**CHEM271 General Chemistry and Energetics; (2 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: CHEM241 and CHEM242; or CHEM247. And a grade of C- or better in the prerequisites for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM272. Credit only granted for: CHEM113, CHEM153, CHEM271 or CHEM276. Formerly: CHEM113.* An introduction to the physical aspects of chemistry; chemical kinetics, thermodynamics and electrochemistry in the context of current chemistry research.

| | | | |
|---|---|---|---|
| 2122 | Douglas Julin<br>MW 9:00am - 9:50am<br>Tu 9:30am - 10:20am | Seats (Total: 39)<br>CHM 1407<br>CHM 0115 | Discussion |
| 2124 | Douglas Julin<br>MW 9:00am - 9:50am<br>Tu 11:00am - 11:50am | Seats (Total: 39)<br>CHM 1407<br>CHM 0115 | Discussion |
| 2125 | Douglas Julin<br>MW 9:00am - 9:50am<br>Tu 12:30pm - 1:20pm | Seats (Total: 39)<br>CHM 1407<br>CHM 0115 | Discussion |
| 2142 | Douglas Julin<br>MW 9:00am - 9:50am<br>Th 9:30am - 10:20am | Seats (Total: 39)<br>CHM 1407<br>CHM 0115 | Discussion |
| 2144 | Douglas Julin<br>MW 9:00am - 9:50am<br>Th 11:00am - 11:50am | Seats (Total: 39)<br>CHM 1407<br>CHM 0115 | Discussion |
| 2145 | Douglas Julin<br>MW 9:00am - 9:50am<br>Th 12:30pm - 1:20pm | Seats (Total: 39)<br>CHM 1407<br>CHM 0115 | Discussion |
| 2224 | Alice Mignerey<br>MW 12:00pm - 12:50pm<br>Tu 11:00am - 11:50am | Seats (Total: 41)<br>CHM 1407<br>CHM 2201 | Discussion |

| | | | |
|---|---|---|---|
| 2227 | Alice Mignerey<br>MW 12:00pm - 12:50pm<br>Tu 2:00pm - 2:50pm | Seats (Total: 41)<br>CHM 1407<br>CHM 0119 | Discussion |
| 2228 | Alice Mignerey<br>MW 12:00pm - 12:50pm<br>Tu 3:30pm - 4:20pm | Seats (Total: 41)<br>CHM 1407<br>CHM 2201 | Discussion |
| 2244 | Alice Mignerey<br>MW 12:00pm - 12:50pm<br>Th 11:00am - 11:50am | Seats (Total: 41)<br>CHM 1407<br>CHM 2201 | Discussion |
| 2247 | Alice Mignerey<br>MW 12:00pm - 12:50pm<br>Th 2:00pm - 2:50pm | Seats (Total: 41)<br>CHM 1407<br>CHM 0119 | Discussion |
| 2248 | Alice Mignerey<br>MW 12:00pm - 12:50pm<br>Th 3:30pm - 4:20pm | Seats (Total: 41)<br>CHM 1407<br>CHM 2201 | Discussion |
| SES1 | Daniel Gowetski<br>M 6:00pm - 7:50pm<br>W 6:30pm - 7:20pm<br>*This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.* | Seats (Total: 24)<br>CHM 1228<br>CHM 1228 | Discussion |

**CHEM272** **General Bioanalytical Chemistry Laboratory**

**CHEM272 General Bioanalytical Chemistry Laboratory; (2 credits)** Grade Method: REG/P-F.
*Prerequisite: CHEM241 and CHEM242; or CHEM247. And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM271. Credit only granted for: CHEM227, CHEM272 or CHEM277.* An introduction to analytical chemistry with an emphasis on bio-analytical instrumentation and techniques. Students must pay a $40.00 laboratory materials fee.

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|---|---|---|---|
| 7123 | Lee Friedman<br>F 9:00am - 9:50am<br>M 12:00pm - 2:50pm | Seats (Total: 24)<br>CHM 1407<br>CHM 1112 | <br><br>Lab |
| 7131 | Lee Friedman<br>F 9:00am - 9:50am<br>M 3:00pm - 5:50pm | Seats (Total: 24)<br>CHM 1407<br>CHM 1128 | <br><br>Lab |
| 7132 | Lee Friedman<br>F 9:00am - 9:50am<br>M 3:00pm - 5:50pm | Seats (Total: 24)<br>CHM 1407<br>CHM 1112 | <br><br>Lab |
| 7331 | Lee Friedman<br>F 9:00am - 9:50am<br>W 3:00pm - 5:50pm | Seats (Total: 24)<br>CHM 1407<br>CHM 1112 | <br><br>Lab |
| 7332 | Lee Friedman<br>F 9:00am - 9:50am<br>W 3:00pm - 5:50pm | Seats (Total: 24)<br>CHM 1407<br>CHM 1128 | <br><br>Lab |
| 7421 | Lee Friedman<br>F 9:00am - 9:50am<br>Th 12:30pm - 3:20pm | Seats (Total: 24)<br>CHM 1407<br>CHM 1112 | <br><br>Lab |
| 7422 | Lee Friedman<br>F 9:00am - 9:50am<br>Th 12:30pm - 3:20pm | Seats (Total: 24)<br>CHM 1407<br>CHM 1111 | <br><br>Lab |
| 7531 | Lee Friedman<br>F 9:00am - 9:50am<br>F 3:00pm - 5:50pm | Seats (Total: 24)<br>CHM 1407<br>CHM 1128 | <br><br>Lab |
| 7532 | Lee Friedman<br>F 9:00am - 9:50am<br>F 3:00pm - 5:50pm | Seats (Total: 24)<br>CHM 1407<br>CHM 1112 | <br><br>Lab |
| 8142 | Lee Friedman<br>F 12:00pm - 12:50pm<br>M 6:00pm - 8:50pm | Seats (Total: 24)<br>CHM 1407<br>CHM 1112 | <br><br>Lab |

| | | | |
|---|---|---|---|
| 8143 | Lee Friedman<br>F 12:00pm - 12:50pm<br>M 6:00pm - 8:50pm | Seats (Total: 24)<br>CHM 1407<br>CHM 1128 | <br><br>Lab |
| 8211 | Lee Friedman<br>F 12:00pm - 12:50pm<br>Tu 8:00am - 10:50am | Seats (Total: 24)<br>CHM 1407<br>CHM 1128 | <br><br>Lab |
| 8221 | Lee Friedman<br>F 12:00pm - 12:50pm<br>Tu 12:30pm - 3:20pm | Seats (Total: 24)<br>CHM 1407<br>CHM 1128 | <br><br>Lab |
| 8222 | Lee Friedman<br>F 12:00pm - 12:50pm<br>Tu 12:30pm - 3:20pm | Seats (Total: 24)<br>CHM 1407<br>CHM 1112 | <br><br>Lab |
| 8231 | Lee Friedman<br>F 12:00pm - 12:50pm<br>Tu 3:30pm - 6:20pm | Seats (Total: 24)<br>CHM 1407<br>CHM 1112 | <br><br>Lab |
| 8241 | Lee Friedman<br>F 12:00pm - 12:50pm<br>Tu 6:30pm - 9:20pm | Seats (Total: 24)<br>CHM 1407<br>CHM 1112 | <br><br>Lab |
| 8242 | Lee Friedman<br>F 12:00pm - 12:50pm<br>Tu 6:30pm - 9:20pm | Seats (Total: 24)<br>CHM 1407<br>CHM 1128 | <br><br>Lab |
| 8341 | Lee Friedman<br>F 12:00pm - 12:50pm<br>W 6:00pm - 8:50pm | Seats (Total: 24)<br>CHM 1407<br>CHM 1112 | <br><br>Lab |
| 8421 | Lee Friedman<br>F 12:00pm - 12:50pm<br>Th 12:30pm - 3:20pm | Seats (Total: 24)<br>CHM 1407<br>CHM 1128 | <br><br>Lab |
| 8431 | Lee Friedman<br>F 12:00pm - 12:50pm<br>Th 3:30pm - 6:20pm | Seats (Total: 24)<br>CHM 1407<br>CHM 1112 | <br><br>Lab |

| | | | |
|---|---|---|---|
| 8432 | Lee Friedman<br>F 12:00pm - 12:50pm<br>Th 3:30pm - 6:20pm | Seats (Total: 24)<br>CHM 1407<br>CHM 1111 | <br><br>Lab |
| 8511 | Lee Friedman<br>F 12:00pm - 12:50pm<br>F 8:00am - 10:50am | Seats (Total: 24)<br>CHM 1407<br>CHM 1128 | <br><br>Lab |
| SES1 | Lee Friedman<br>M 8:00pm - 8:50pm<br>W 7:30pm - 10:30pm<br>*This section is restricted to students who enroll through the Science in the Evening program and may not be added on Testudo. Click here for complete program details including program eligibility information, tuition and fee information and registration instructions.* | Seats (Total: 24)<br>CHM 1228<br>CHM 1128 | <br><br>Lab |

**CHEM276** **General Chemistry and Energetics - Majors**

**CHEM276 General Chemistry and Energetics - Majors; (2 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in CHEM241 and CHEM242; or minimum grade of C- in CHEM247. Corequisite: CHEM277. Restriction: Must be in one of the following programs (Chemistry; Biochemistry). Credit only granted for: CHEM113, CHEM153, CHEM271 or CHEM276. Formerly: CHEM153.* An introduction to the physical aspects of chemistry for Biochemistry and Chemistry majors. Chemical kinetics, thermodynamics and electrochemistry in the context of current chemistry research.

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|---|---|---|---|
| 0224 | Amy Mullin<br>WF 3:00pm - 3:50pm<br>Tu 11:00am - 11:50am | Seats (Total: 34)<br>CHM 1228<br>CHM 0122 | <br><br>Discussion |

**CHEM277** **Fundamentals of Analytical and Bioanalytical Chemistry Laboratory**

**CHEM277 Fundamentals of Analytical and Bioanalytical Chemistry Laboratory; (3 credits)** Grade Method: REG.
*Prerequisite: Minimum grade of C- in CHEM241 and CHEM242; or minimum grade of C- in CHEM247. Corequisite: CHEM276. Restriction: Must be in one of the following programs (Chemistry; Biochemistry). Credit only granted for: CHEM153, CHEM227, CHEM272 or CHEM277.* Quantitative analysis, inorganic analytical chemistry, and an introduction to bio-analytical instrumentation and techniques. Students must pay a $40.00 laboratory materials fee.

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|---|---|---|---|
| 0223 | Lee Friedman<br>M 3:00pm - 3:50pm<br>TuTh 3:30pm - 6:20pm | Seats (Total: 24)<br>CHM 0115<br>CHM 1128 | <br><br>Lab |
| 0232 | Lee Friedman<br>M 3:00pm - 3:50pm<br>WF 12:00pm - 2:50pm | Seats (Total: 24)<br>CHM 0115<br>CHM 1128 | <br><br>Lab |

**CHEM395** **Professional Issues in Chemistry and Biochemistry**

**CHEM395 Professional Issues in Chemistry and Biochemistry; (1 credit)** Grade Method: S-F.
*Restriction: Junior standing or higher; and must be in one of the following programs (Chemistry; Biochemistry).* Seminar on professional issues. Professional responsibilities, ethics, interview techniques, career opportunities, graduate/professional school, race and gender issues.

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|---|---|---|
| 0101 | Michael Montague-Smith, Frederick Khachik<br>Tu 11:00am - 11:50am | Seats (Total: 112)<br>CHM 1402 |

**CHEM398** **Special Projects**

**CHEM398** *(PermReq)* **Special Projects; (2 credits)** Grade Method: REG/P-F/AUD.
Individual Instruction course: contact department or instructor to obtain section number.
Limited to chemistry honors students. Consult with Dr. Ammon.

**Contact department for information to register for this course.**

**CHEM399A** **Introduction to Chemical Research**

**CHEM399A** *(PermReq)* **Introduction to Chemical Research; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**CHEM399B** **Introduction to Chemical Research**

**CHEM399B** *(PermReq)* **Introduction to Chemical Research; (2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**CHEM399C** **Introduction to Chemical Research**

**CHEM399C** *(PermReq)* **Introduction to Chemical Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**CHEM399X** **Introduction to Chemical Research**

**CHEM399X** *(PermReq)* **Introduction to Chemical Research; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequsite: permission of department.

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|---|---|---|
| 0101 | Herman Ammon | Seats (Total: 5) |
| | Contact instructor or department for details. | |

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**CHEM401** **Inorganic Chemistry**

**CHEM401 Inorganic Chemistry; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: CHEM241 and CHEM242; or CHEM247; or must have completed CHEM243.* An overview of basic concepts of the electronic structure of the elements, chemical bonding and reactivity, from simple diatomic molecules to coordination compounds. These are viewed from simple (Lewis) to the most comprehensive molecular orbital theory. Symmetry and group theory are used throughout the course.

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|---|---|---|
| 0101 | Andrei Vedernikov | Seats (Total: 100) |
| | MWF 10:00am - 10:50am | CHM 1402 |

**CHEM425** **Instrumental Methods of Analysis**

**CHEM425 Instrumental Methods of Analysis; (4 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: CHEM272 and CHEM271; or (CHEM276 and CHEM277).* Modern instrumentation in analytical chemistry. Electronics, spectroscopy, chromatography and electrochemistry. Students must pay a $40.00 lab materials fee.

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|---|---|---|---|
| 0101 | Natalia White, Neil Blough<br>MW 11:00am - 11:50am<br>MW 1:00pm - 4:00pm | Seats (Total: 10)<br>CHM 0115<br>CHM 3205 | <br><br>Lab |
| 0102 | Natalia White, Neil Blough<br>MW 11:00am - 11:50am<br>TuTh 12:30pm - 3:20pm | Seats (Total: 10)<br>CHM 0115<br>CHM 3205 | <br><br>Lab |
| 0104 | Natalia White, Neil Blough<br>MW 11:00am - 11:50am<br>TuTh 9:30am - 12:20pm | Seats (Total: 10)<br>CHM 0115<br>CHM 3205 | <br><br>Lab |
| 0105 | Natalia White, Neil Blough<br>MW 11:00am - 11:50am<br>MW 6:00pm - 9:00pm | Seats (Total: 10)<br>CHM 0115<br>CHM 3205 | <br><br>Lab |
| 0109 | Natalia White, Neil Blough<br>MW 11:00am - 11:50am<br>TuTh 6:00pm - 9:00pm | Seats (Total: 10)<br>CHM 0115<br>CHM 3205 | <br><br>Lab |

**CHEM433** **Atmospheric Chemistry and Climate**

**CHEM433 Atmospheric Chemistry and Climate; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: CHEM131, CHEM135, or CHEM146. And MATH241; or permission of CMNS-Chemistry & Biochemistry department. Also offered as: AOSC433. Credit only granted for: AOSC433, AOSC633, CHEM433, or CHEM633. Formerly: CHEM434.* The effects of human activity on atmospheric composition, focused on global warming, the carbon cycle, air pollution, and the ozone layer. Fundamentals of atmosphereic chemistry (spectroscopy, kinetics, isotopic analysis, and biogeochemical cycles) are related to the modern understanding of climate change, air quality, and ozone depletion, based on resources such as satellite missions, field campaigns, and scientific assessments published by international agencies. We also examine how society's energy needs could be met, in the future, in a manner with less impact on atmospheric composition than the present heavy reliance on combusion of fossil fuels. Also offered as AOSC433. Credit will be granted for one of the following: AOSC433, AOSC633, CHEM433, or CHEM633.

| | | |
|---|---|---|
| 0101 | Ross Salawitch<br>TuTh 2:00pm - 3:15pm | Seats (Total: 28)<br>CSS 2416 |
| AM01 | Ross Salawitch<br>TuTh 2:00pm - 3:15pm | Seats (Total: 1)<br>CSS 2416 |

**CHEM481** **Physical Chemistry I**

**CHEM481 Physical Chemistry I; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in CHEM135; or minimum grade of C- in CHEM272 and CHEM271; or minimum grade of C- in CHEM276 and CHEM277. And (PHYS142 and MATH141).* A course primarily for chemists and chemical engineers.

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|---|---|---|
| 0101 | Zhihong Nie<br>MWF 9:00am - 9:50am | Seats (Total: 60)<br>CHM 2201 |

**CHEM482** **Physical Chemistry II**

**CHEM482 Physical Chemistry II; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in CHEM481.* A course primarily for chemists and chemical engineers.

| | | | |
|---|---|---|---|
| 0101 | Janice Reutt-Robey<br>MWF 8:00am - 8:50am | Seats (Total: 90)<br>CHM 1402 | |

**CHEM483** **Physical Chemistry Laboratory I**

**CHEM483 Physical Chemistry Laboratory I; (2 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Must have completed or be concurrently enrolled in CHEM481.* An introduction to the principles and application of quantitative techniques in physical chemical measurements. Experiments will be coordinated with topics in CHEM481. Students must pay a $40.00 Laboratory Materials fee.

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|---|---|---|---|
| 0101 | Earle Stone<br>M 2:00pm - 4:50pm<br>M 1:00pm - 1:50pm | Seats (Total: 18)<br>Location: TBA<br>CHM 1224 | <br>Lab<br>Discussion |
| 0102 | Earle Stone<br>Tu 2:00pm - 4:50pm<br>Tu 11:00am - 11:50am | Seats (Total: 18)<br>Location: TBA<br>CHM 1224 | <br>Lab<br>Discussion |
| 0103 | Earle Stone<br>W 1:00pm - 3:50pm<br>M 1:00pm - 1:50pm | Seats (Total: 18)<br>CHM 3221<br>CHM 1224 | <br>Lab<br>Discussion |
| 0104 | Earle Stone<br>Th 9:00am - 11:50am<br>Tu 11:00am - 11:50am | Seats (Total: 18)<br>CHM 3221<br>CHM 1224 | <br>Lab<br>Discussion |

**CHEM484** **Physical Chemistry Laboratory II**

**CHEM484 Physical Chemistry Laboratory II; (2 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: CHEM481 and CHEM483; and must have completed or be concurrently enrolled in CHEM482.* A continuation of CHEM 483. Advanced quantitative techniques necessary in physical chemical measurements. Experiments will be coordinated with topics in CHEM 482. Rooms for second lab times are to be arranged for all sections. Students must pay a $40.00 Laboratory Materials fee.

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|---|---|---|---|
| 0101 | Earle Stone<br>Tu 3:30pm - 6:20pm<br>Tu 2:00pm - 2:50pm | Seats (Total: 12)<br>CHM 3217<br>CHM 1224 | <br>Lab<br>Discussion |
| 0102 | Earle Stone<br>W 3:00pm - 6:00pm<br>W 2:00pm - 3:00pm | Seats (Total: 12)<br>CHM 3217<br>CHM 1224 | <br>Lab<br>Discussion |
| 0103 | Earle Stone<br>Th 3:30pm - 6:20pm<br>Contact instructor or department for details. | Seats (Total: 8)<br>CHM 3217 | <br>Lab |

**CHEM498E** **Special Topics in Chemistry; Entrepreneurship in Chemical and Life Sciences**

**CHEM498E Special Topics in Chemistry: Entrepreneurship in Chemical and Life Sciences; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Martha Connolly, Frederick Khachik<br>Th 2:00pm - 4:45pm | Seats (Total: 28)<br>POT 2111 |

**CHEM608B** **Selected Topics in Inorganic Chemistry; Physical Methods for Inorganic Materials**

**CHEM608B Selected Topics in Inorganic Chemistry: Physical Methods for Inorganic Materials; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Bryan Eichhorn<br>TuTh 9:30am - 10:45am | Seats (Total: 20)<br>CHM 0127 |

**CHEM624** **Electrical Methods of Quantitative Analysis**

**CHEM624 Electrical Methods of Quantitative Analysis; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: CHEM482; or students who have taken courses with comparable content may contact the department.* The use of conductivity, potentiometry, polarography, voltammetry, amperometry, coulometry, and chronopotentiometry in quantitative analysis.

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|---|---|---|
| 0101 | Sangbok Lee<br>TuTh 8:00am - 9:15am | Seats (Total: 30)<br>CHM 1224 |

**CHEM625** **Separation Methods in Quantitative Analysis**

**CHEM625 Separation Methods in Quantitative Analysis; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: CHEM482; or students who have taken courses with comparable content may contact the department.* The theory and application for quantitative analysis of various forms of chromatography, ion exchange, solvent extraction, distillation, and mass spectroscopy.

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|---|---|---|
| 0101 | Cheng Lee | Seats (Total: 45) |
| | TuTh 5:00pm - 6:15pm | CHM 1228 |

**CHEM633** **Atmospheric Chemistry and Climate**

**CHEM633 Atmospheric Chemistry and Climate; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: CHEM131, CHEM135, or CHEM146. And MATH241; or permission of CMNS-Chemistry & Biochemistry department. Also offered as: AOSC633. Credit only granted for: AOSC433, AOSC633, CHEM433, or CHEM633. Formerly: CHEM678A.* The effects of human activity on atmospheric composition, focused on global warming, the carbon cycle, air pollution, and the ozone layer. Fundamentals of atmosphereic chemistry (spectroscopy, kinetics, isotopic analysis, and biogeochemical cycles) are related to the modern understanding of climate chane, air quality, and ozone depletion, based on resources such as satellite missions, field campaigns, and scientific assessments published by international agencies. We also examine how society's energy needs could be met, in the future, in a manner with less impact on atmospheric composition than the present heavy reliance on combusion of fossil fuels.

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|---|---|---|
| 0101 | Ross Salawitch | Seats (Total: 5) |
| | TuTh 2:00pm - 3:15pm | CSS 2416 |

**CHEM647** **Organic Synthesis**

**CHEM647 Organic Synthesis; (3 credits)** Grade Method: REG/AUD.
The use of new reagents in organic reactions; multistep syntheses leading to natural products of biological interest; stereospecific and regiospecific reactions and their use in total synthesis.

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|---|---|---|
| 0101 | Philip DeShong | Seats (Total: 20) |
| | TuTh 9:30am - 10:45am | CHM 1228 |

**CHEM648E** **Special Topics in Organic Chemistry; Ethics in Scientific Research**

**CHEM648E** *(PermReq)* **Special Topics in Organic Chemistry: Ethics in Scientific Research; (2 credits)** Grade Method: REG/AUD.
Prerequisite: Completion of one year of graduate study and permission of instructor. Also offered as BIOL600, NACS600, and PSYC788B. Issues of sceintific integrity with emphasis on investigators in the laboratory sciences, including mentoring, scientific record keeping, authorship and peer review, ownership of data, use of animals and humans in research, and conflict of interest.

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|---|---|---|
| 0101 | Philip DeShong, Robert Dooling<br>W 3:00pm - 5:00pm | Seats (Total: 20)<br>BPS 1208 |

**CHEM650** **Problems in Organic Synthesis**

**CHEM650 Problems in Organic Synthesis; (1 credit)** Grade Method: REG/AUD.
A tutorial type course dealing with mechanistic problems from the current literature of organic sysnthesis.

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|---|---|---|
| 0101 | Philip DeShong<br>F 12:00pm - 12:50pm | Seats (Total: 40)<br>CHM 2201 |

**CHEM687** **Statistical Mechanics and Chemistry**

**CHEM687 Statistical Mechanics and Chemistry; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: CHEM684; or students who have taken courses with comparable content may contact the department.*

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|---|---|---|
| 0101 | John Fourkas<br>TuTh 9:30am - 10:45am | Seats (Total: 20)<br>CHM 0124 |

**CHEM691** **Quantum Chemistry II**

**CHEM691 Quantum Chemistry II; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: CHEM690 or PHYS622.*

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|---|---|---|
| 0101 | Millard Alexander<br>TuTh 11:00am - 12:15pm | Seats (Total: 22)<br>CHM 1228 |

**CHEM699** **Special Problems in Chemistry**

**CHEM699 Special Problems in Chemistry; (1-6 credits)** Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.
Open only to non-thesis Master's degree candidates.

**Contact department for information to register for this course.**

**CHEM699A** **Special Problems in Chemistry; Biological Mass Spectrometry**

**CHEM699A Special Problems in Chemistry: Biological Mass Spectrometry; (3 credits)** Grade Method: REG/AUD.
Also offered as BCHM676 and BIOE689B.

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|---|---|---|
| 0101 | Catherine Fenselau | Seats (Total: 30) |
| | TuTh 12:30pm - 1:45pm | CHM 1224 |

**CHEM699C** **Special Problems in Chemistry; Theory and Application of Physical and Theoretical Methods in Biophysics**

**CHEM699C Special Problems in Chemistry: Theory and Application of Physical and Theoretical Methods in Biophysics; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Devarajan Thirumalai | Seats (Total: 20) |
| | TuTh 3:30pm - 4:45pm | CHM 0124 |

**CHEM703** **Introduction to Nonequilibrium Statistical Physics**

**CHEM703 Introduction to Nonequilibrium Statistical Physics; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PHYS603 or CHEM687; or permission of instructor. Credit only granted for: CHPH703, CHPH718B, CHEM703, CHEM718B, PHYS703, OR PHYS798Z. Formerly: CHEM718B.* Analysis and microscopic modeling of systems away from thermal equilibrium. Linear response theory, ergodicity, Brownian motion, Monte Carlo modeling, thermal ratchets, far-from-equilibrium fluctuation relations. Introduction to the theoretical tools of nonequilibrium phenomena and their application to problems in physics, chemistry and biology.

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|---|---|---|
| 0101 | Christopher Jarzynski | Seats (Total: 25) |
| | MW 2:30pm - 3:45pm | PLS 1119 |

**CHEM705** **Nuclear Chemistry**

**CHEM705 Nuclear Chemistry; (3 credits)** Grade Method: REG/AUD.
Nuclear structure models, radioactive decay processes, nuclear reactions in complex nuclei, fission, nucleosynthesis and nuclear particle accelerators.

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| 0101 | Alice Mignerey | Seats (Total: 15) |
| | MW 4:00pm - 5:15pm | CHM 1228 |

**CHEM799** **Master's Thesis Research**

**CHEM799 Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**CHEM889A** **Seminar; Analytical, Nuclear and Environmental Chemistry**

**CHEM889A Seminar: Analytical, Nuclear and Environmental Chemistry; (1 credit)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Alice Mignerey | Seats (Total: 25) |
| | F 3:00pm - 5:00pm | CHM 1224 |

**CHEM889C** **Seminar; Inorganic Chemistry**

**CHEM889C Seminar: Inorganic Chemistry; (1 credit)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Philip DeShong | Seats (Total: 15) |
| | Th 11:00am - 11:50am | CHM 0124 |

**CHEM889D** **Seminar; Organic Chemistry**

**CHEM889D Seminar: Organic Chemistry; (1 credit)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Philip DeShong | Seats (Total: 25) |
| | Th 11:00am - 11:50am | CHM 1224 |

**CHEM889E** **Seminar; Physical Chemistry**

**CHEM889E Seminar: Physical Chemistry; (1 credit)** Grade Method: REG/AUD. Also offered as CHEM889F and CHPH709A.

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|---|---|---|
| 0101 | Zhihong Nie<br>W 11:00am - 11:50am | Seats (Total: 15)<br>CHM 1224 |

**CHEM889F** **Seminar; Chemical Physics**

**CHEM889F Seminar: Chemical Physics; (1 credit)** Grade Method: REG/AUD. Also offered as CHEM889E and CHPH709A.

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|---|---|---|
| 0101 | Zhihong Nie<br>W 11:00am - 11:50am | Seats (Total: 15)<br>CHM 1224 |

**CHEM889G** **Seminar; Physical Organic Chemistry**

**CHEM889G Seminar: Physical Organic Chemistry; (1 credit)** Grade Method: REG/AUD.

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| 0101 | Instructor: TBA<br>Contact instructor or department for details. | Seats (Total: 5) |

**CHEM889M** **Seminar; Materials Chemistry**

**CHEM889M Seminar: Materials Chemistry; (1 credit)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**CHEM898** **Pre-Candidacy Research**

**CHEM898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**CHEM899** **Doctoral Dissertation Research**

**CHEM899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# CHIN Chinese Spring 2013

**CHIN102** **Elementary Spoken Chinese**

Non-majors: please refer to the Foreign Language Placement Section of the ARHU Web site.

**CHIN102** *(PermReq)* **Elementary Spoken Chinese; (3 credits)** Grade Method: REG. *Prerequisite: CHIN101; or students who have taken courses with comparable content may contact the department; or must have attained appropriate Foreign Language Placement Test (FLPT) score.* Continued study of grammatical patterns and vocabulary buildup with particular emphasis on conversation. May be taken in conjunction with CHIN 103.

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|---|---|---|
| 0101 | Yuli Wang<br>MWF 10:00am - 10:50am | Seats (Total: 15)<br>JMZ 1117 |
| 0201 | Yuli Wang<br>MWF 11:00am - 11:50am | Seats (Total: 15)<br>JMZ 1117 |
| 0301 | Yuli Wang<br>MWF 1:00pm - 1:50pm | Seats (Total: 15)<br>JMZ 1117 |

**CHIN103** **Elementary Written Chinese**

**CHIN103** *(PermReq)* **Elementary Written Chinese; (3 credits)** Grade Method: REG. *Prerequisite: CHIN101; or students who have taken courses with comparable content may contact the department; or must have attained appropriate Foreign Language Placement Test (FLPT) score.* Continued study of grammatical patterns and buildup of vocabulary with particular emphasis on reading and writing. May be taken in conjunction with CHIN102.

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|---|---|---|
| 0101 | Jungjung Lee-Heitz<br>TuTh 11:00am - 12:15pm | Seats (Total: 15)<br>JMZ 1117 |
| 0201 | Jungjung Lee-Heitz<br>TuTh 12:30pm - 1:45pm | Seats (Total: 15)<br>JMZ 1117 |
| 0301 | Jungjung Lee-Heitz<br>TuTh 2:00pm - 3:15pm | Seats (Total: 15)<br>JMZ 1117 |

**CHIN169A** **Special Topics in Study Abroad I; Elementary Chinese I**
**Contact department for information to register for this course.**

**CHIN169B** **Special Topics in Study Abroad I; Elementary Chinese II**
**Contact department for information to register for this course.**

**CHIN201** **Intermediate Spoken Chinese I**
**Contact department for information to register for this course.**

**CHIN202** **Intermediate Written Chinese I**
**Contact department for information to register for this course.**

**CHIN203** **Intermediate Spoken Chinese II**

**CHIN203** *(PermReq)* **Intermediate Spoken Chinese II; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course.
*Prerequisite: CHIN201; or students who have taken courses with comparable content may contact the department; or must have attained appropriate Foreign Language Placement Test (FLPT) score.* Continuation of CHIN201.

| | | |
|---|---|---|
| 0101 | Mei Kong<br>MWF 10:00am - 10:50am | Seats (Total: 15)<br>HBK 0123 |
| 0201 | Mei Kong<br>MWF 11:00am - 11:50am | Seats (Total: 15)<br>HBK 0123 |

**CHIN204** **Intermediate Written Chinese II**

**CHIN204** *(PermReq)* **Intermediate Written Chinese II; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course.
*Prerequisite: CHIN202; or students who have taken courses with comparable content may contact the department; or must have attained appropriate Foreign Language Placement Test (FLPT) score.* Continuation of CHIN202.

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|---|---|---|
| 0101 | Jungjung Lee-Heitz<br>TuTh 9:30am - 10:45am | Seats (Total: 15)<br>JMZ 3120 |

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|---|---|---|
| 0201 | Fang-Yi Chao | Seats (Total: 15) |
| | TuTh 11:00am - 12:15pm | JMZ 3120 |

**CHIN205** **Intermediate Chinese - Accelerated Track**

**CHIN205** *(PermReq)* **Intermediate Chinese - Accelerated Track; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
*Prerequisite: Must have attained appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed CHIN201, CHIN203, CHIN202, or CHIN204.* Accelerated instruction in Mandarin Chinese at the intermediate level for students with prior Chinese language background, either through home use or formal instruction.

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|---|---|---|
| 0101 | Guiling Hu | Seats (Total: 15) |
| | MWF 10:00am - 10:50am | JMZ 3203 |

**CHIN220** **Beginning Chinese Calligraphy**

**CHIN220 Beginning Chinese Calligraphy; (3 credits)** Grade Method: REG. CORE Diversity (D) Course.
*Credit only granted for: CHIN220 or CHIN331.* Introduction to techniques, history, and culture of Chinese calligraphy. Extensive hands-on practice. Taught in English.

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|---|---|---|
| 0101 | Yuli Wang | Seats (Total: 25) |
| | Tu 11:00am - 1:50pm | JMZ 0205 |

**CHIN269C** **Special Topics in Study Abroad II; Modern Chinese Culture and Society I**
**Contact department for information to register for this course.**

**CHIN269D** **Special Topics in Study Abroad II; Chinese Conversation**
**Contact department for information to register for this course.**

**CHIN269J** **Special Topics in Study Abroad II; Intermediate Chinese**
**Contact department for information to register for this course.**

**CHIN269K** **Special Topics in Study Abroad II; Intermediate Chinese II**
**Contact department for information to register for this course.**

**CHIN269P** **Special Topics in Study Abroad II; The China Phenomenon**
**Contact department for information to register for this course.**

**CHIN269V** **Special Topics in Study Abroad II; Chinese Calligraphy I**
**Contact department for information to register for this course.**

**CHIN269W** **Special Topics in Study Abroad II; Chinese Calligraphy II**
**Contact department for information to register for this course.**

**CHIN301** **Advanced Chinese I**
**Contact department for information to register for this course.**

**CHIN302** **Advanced Chinese II**

**CHIN302** *(PermReq)* **Advanced Chinese II; (3 credits)** Grade Method: REG.
*Prerequisite: CHIN301; or students who have taken courses with comparable content may contact the department. And must have taken a placement interview offered by the department for Non-majors.* Continuation of CHIN301.

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|---|---|---|
| 0101 | Guiling Hu | Seats (Total: 15) |
| | MWF 11:00am - 11:50am | JMZ 0205 |

**CHIN306** **Life in China through TV Plays II**

**CHIN306** *(PermReq)* **Life in China through TV Plays II; (3 credits)** Grade Method: REG.
*Prerequisite: CHIN305; or permission of ARHU-School of Languages, Literatures, and Cultures department.* Continuation of CHIN305 using authentic Chinese language material in TV plays to learn about society and life in China.

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|---|---|---|
| 0101 | Mei Kong | Seats (Total: 15) |
| | MWF 2:00pm - 2:50pm | JMZ 1117 |

**CHIN307** **Linguistic Landscape of China**

**CHIN307 Linguistic Landscape of China; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: Must have completed CHIN204 or above; or permission of Chinese Program Advisor.* Comprehensive introduction to Chinese and other major languages in the Sino-Tibetan, Altaic, Austroasiatic, and Austronesian families, all of which are spoken in China. Taught in English.

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|---|---|---|
| 0101 | Minglang Zhou | Seats (Total: 25) |
| | TuTh 8:00pm - 9:15pm | JMZ 2122 |

**CHIN369A** **Special Topics in Study Abroad III; China Practicum and Connecting Across Cultures**
**Contact department for information to register for this course.**

**CHIN369B** **Special Topics in Study Abroad III; Advanced Chinese I**
**Contact department for information to register for this course.**

**CHIN369C** **Special Topics in Study Abroad III; Advanced Chinese II**
**Contact department for information to register for this course.**

**CHIN369D** **Special Topics in Study Abroad III; Advanced Chinese III**
**Contact department for information to register for this course.**

**CHIN369E** **Special Topics in Study Abroad III; Advanced Chinese IV**
**Contact department for information to register for this course.**

**CHIN369F** **Special Topics in Study Abroad III; Advanced Chinese V**
**Contact department for information to register for this course.**

**CHIN369G** **Special Topics in Study Abroad III; Advanced Chinese VI**
**Contact department for information to register for this course.**

**CHIN369I** **Special Topics in Study Abroad III; Advanced Chinese VII**
**Contact department for information to register for this course.**

**CHIN369J** **Special Topics in Study Abroad III; Advanced Chinese VIII**
**Contact department for information to register for this course.**

**CHIN369M** **Special Topics in Study Abroad III; Modern Chinese Culture II**

**Contact department for information to register for this course.**

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**CHIN386** **Experiential Learning**
**Contact department for information to register for this course.**

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**CHIN401** **Readings in Modern Chinese I**
**Contact department for information to register for this course.**

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**CHIN402** **Readings in Modern Chinese II**

**CHIN402** *(PermReq)* **Readings in Modern Chinese II; (3 credits)** Grade Method: REG.
*Prerequisite: CHIN401; or students who have taken courses with comparable content may contact the department. And must have taken a placement interview offered by the department for Non-majors.* Continuation of CHIN401.

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|---|---|---|
| 0101 | Guiling Hu | Seats (Total: 15) |
| | MWF 12:00pm - 12:50pm | JMZ 1117 |

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**CHIN411** **Business Chinese I**

**CHIN411** *(PermReq)* **Business Chinese I; (3 credits)** Grade Method: REG.
*Prerequisite: CHIN402; or permission of ARHU-School of Languages, Literatures, and Cultures department. And must have taken a placement interview offered by the department for Non-majors.* Conversation, reading, and writing applicable to Chinese business transactions, social meetings, and meetings with government organizations, plus background material in English on professional business practices and social customs associated with business.

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|---|---|---|
| 0101 | Mei Kong | Seats (Total: 15) |
| | MWF 3:00pm - 3:50pm | JMZ 1117 |

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**CHIN418** **Special Topics in Contemporary Chinese Fiction and Film; Recently Awarded Literature and Film**

**CHIN418 Special Topics in Contemporary Chinese Fiction and Film: Recently Awarded Literature and Film; (3 credits)** Grade Method: REG/P-F/AUD.
Taught in Chinese.

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|---|---|---|
| 0101 | Guiling Hu | Seats (Total: 25) |
| | MWF 1:00pm - 1:50pm | JMZ 2122 |

**CHIN421** **Theory of Chinese Phonetics and Phonology - Introduction**

**CHIN421 Theory of Chinese Phonetics and Phonology - Introduction; (3 credits)** Grade Method: REG.
*Prerequisite: Must have completed CHIN302 or higher.* Introduction to theories, terminology, and practical techniques for describing and analyzing Chinese speech sounds and their functions in the language. Taught in English.

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|---|---|---|
| 0101 | Fang-Yi Chao | Seats (Total: 25) |
| | TuTh 12:30pm - 1:45pm | JMZ 3120 |

**CHIN499** **Directed Study in Chinese**

**CHIN499** *(PermReq)* **Directed Study in Chinese; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**CHIN499A** **Directed Study in Chinese; Advanced Chinese V**
**Contact department for information to register for this course.**

**CHIN499C** **Directed Study in Chinese; Advanced Chinese VI**
**Contact department for information to register for this course.**

# CHPH Chemical Physics Spring 2013

**CHPH618** **Special Projects in Chemical Physics**

**CHPH618 Special Projects in Chemical Physics; (2 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Eun-Suk Seo | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**CHPH703** **Introduction to Nonequilibrium Statistical Physics**

**CHPH703 Introduction to Nonequilibrium Statistical Physics; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PHYS603 or CHEM687; or permission of instructor. Credit only granted for: CHPH703, CHPH718B, CHEM703, CHEM718B, PHYS703, or PHYS798Z. Formerly: CHPH718B.* Analysis and microscopic modeling of systems away from thermal equilibrium. Linear response theory, ergodicity, Brownian motion, Monte Carlo modeling, thermal ratchets, far-from-equilibrium fluctuation relations. Introduction to the theoretical tools of nonequilibrium phenomena and their application to problems in physics, chemistry and biology.

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|---|---|---|
| 0101 | Christopher Jarzynski<br>MW 2:30pm - 3:45pm | Seats (Total: 25)<br>PLS 1119 |

**CHPH709A** **Seminar in Chemical Physics; Physical Chemistry**

**CHPH709A Seminar in Chemical Physics: Physical Chemistry; (1 credit)** Grade Method: REG/AUD.
Also offered as CHEM 889E and CHEM 889F.

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|---|---|---|
| 0101 | Zhihong Nie<br>W 11:00am - 11:50am | Seats (Total: 15)<br>CHM 1224 |

**CHPH709B** **Seminar in Chemical Physics; Statistical Physics**

**CHPH709B Seminar in Chemical Physics: Statistical Physics; (1 credit)** Grade Method: REG/AUD.
Also offered as PHYS709.

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|---|---|---|
| 0101 | John Weeks<br>Tu 1:15pm - 2:30pm | Seats (Total: 20)<br>PHY 1402 |

**CHPH709L** **Seminar in Chemical Physics; Biophysics**

**CHPH709L Seminar in Chemical Physics: Biophysics; (1 credit)** Grade Method: REG/AUD.
Also offered as PHYS798L.

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|---|---|---|
| 0101 | Arpita Upadhyaya<br>M 4:00pm - 5:30pm | Seats (Total: 10)<br>PHY 0405 |

**CHPH718A** **Special Topics in Chemical Physics; Current Topics in Surface Physics**

**CHPH718A Special Topics in Chemical Physics: Current Topics in Surface Physics; (2 credits)** Grade Method: REG/AUD.
Also offered as PHYS838A.

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|---|---|---|
| 0101 | Theodore Einstein, William Cullen | Seats (Total: 3) |
| | M 12:00pm - 1:00pm | PHY 0405 |
| | F 3:00pm - 5:00pm | PHY 1204 |

**CHPH718C** **Special Topics in Chemical Physics; Theory and Application of Physical and Theoretical Methods in Biophysics**

**CHPH718C Special Topics in Chemical Physics: Theory and Application of Physical and Theoretical Methods in Biophysics; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Devarajan Thirumalai | Seats (Total: 20) |
| | TuTh 3:30pm - 4:45pm | CHM 0124 |

**CHPH718F** **Special Topics in Chemical Physics; Methods of Statistical Physics**

**CHPH718F Special Topics in Chemical Physics: Methods of Statistical Physics; (3 credits)** Grade Method: REG/AUD.
Prerequisite: PHYS 414 or equivalent. Credit will be granted for only one of the following: PHYS 602 or PHYS 603. Foundations and applications of thermodynamics and statistical mechanics. Advanced special students require department authorization. Also offered as PHYS603.

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|---|---|---|
| 0101 | Theodore Einstein | Seats (Total: 49) |
| | TuTh 9:30am - 10:45am | PHY 1201 |

**CHPH718I** **Special Topics in Chemical Physics; Independent Studies**

**CHPH718I** *(PermReq)* **Special Topics in Chemical Physics: Independent Studies; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**CHPH718Z** **Special Topics in Chemical Physics; Biosensor Techniques**

**CHPH718Z Special Topics in Chemical Physics: Biosensor Techniques; (3 credits)** Grade Method: REG/AUD.
Also offered as BIOE631. Credit will be granted for only one of the following: BIOE631, BIOE689Z, or CHPH718Z.

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|---|---|---|
| 0101 | Ian White<br>MW 11:00am - 12:15pm | Seats (Total: 25)<br>EGR 1108 |
| BI01 | Ian White<br>Class time/details on ELMs | Seats (Total: 5)<br>ONLINE |

**CHPH799** **Master's Thesis Research**

**CHPH799** *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**CHPH898** **Pre-Candidacy Research**

**CHPH898** *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**CHPH899** **Doctoral Dissertation Research**

**CHPH899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# CLAS Classics Spring 2013

**CLAS169M** **Special Topics in Study Abroad I; Myths and Legends**
**Contact department for information to register for this course.**

**CLAS170** **Greek and Roman Mythology**

**CLAS170 Greek and Roman Mythology; (3 credits)** Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
*Also offered as: RELS170. Credit only granted for: CLAS170 or RELS170. Additional information: This course cannot be taken for language credit.* An introduction to the mythology of ancient Greece and Rome. This course is particularly recommended for students planning to major in foreign languages, English, history, the fine arts, or journalism. Taught in English.

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|---|---|---|---|
| 0101 | Jorge Bravo<br>MW 10:00am - 10:50am<br>Th 9:30am - 10:20am | Seats (Total: 24)<br>MMH 1400<br>MMH 0108 | Discussion |
| 0102 | Jorge Bravo<br>MW 10:00am - 10:50am<br>Th 11:00am - 11:50am | Seats (Total: 24)<br>MMH 1400<br>ARM 0119 | Discussion |
| 0103 | Jorge Bravo<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am | Seats (Total: 24)<br>MMH 1400<br>COL 0101 | Discussion |
| 0104 | Jorge Bravo<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am | Seats (Total: 24)<br>MMH 1400<br>MMH 1304 | Discussion |
| 0105 | Jorge Bravo<br>MW 10:00am - 10:50am<br>Th 12:30pm - 1:20pm | Seats (Total: 24)<br>MMH 1400<br>MMH 3418 | Discussion |
| 0201 | Jorge Bravo<br>MW 11:00am - 11:50am<br>Th 11:00am - 11:50am | Seats (Total: 27)<br>MMH 1400<br>BPS 0283 | Discussion |
| 0202 | Jorge Bravo<br>MW 11:00am - 11:50am<br>Th 9:30am - 10:20am | Seats (Total: 27)<br>MMH 1400<br>ARM 0103 | Discussion |
| 0203 | Jorge Bravo<br>MW 11:00am - 11:50am<br>F 11:00am - 11:50am | Seats (Total: 27)<br>MMH 1400<br>MMH 3418 | Discussion |

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|---|---|---|---|
| 0204 | Jorge Bravo<br>MW 11:00am - 11:50am<br>F 11:00am - 11:50am | Seats (Total: 27)<br>MMH 1400<br>COL 0102 | Discussion |
| 0205 | Jorge Bravo<br>MW 11:00am - 11:50am<br>Th 12:30pm - 1:20pm | Seats (Total: 27)<br>MMH 1400<br>JMZ 0125 | Discussion |
| 0206 | Jorge Bravo<br>MW 11:00am - 11:50am<br>F 1:00pm - 1:50pm | Seats (Total: 27)<br>MMH 1400<br>MMH 0108 | Discussion |
| 0207 | Jorge Bravo<br>MW 11:00am - 11:50am<br>F 1:00pm - 1:50pm | Seats (Total: 27)<br>MMH 1400<br>TLF 1101 | Discussion |

**CLAS171** **Classical Myths in Europe**
**Contact department for information to register for this course.**

**CLAS289A** **Are We Rome?**

**CLAS289A Are We Rome?; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities; Signature Courses - I-Series.

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| 0101 | Gregory Staley<br>MW 12:00pm - 12:50pm<br>F 11:00am - 11:50am | Seats (Total: 25)<br>SYM 0200<br>TYD 1102 | Discussion |
| 0102 | Gregory Staley<br>MW 12:00pm - 12:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 25)<br>SYM 0200<br>TYD 1102 | Discussion |
| 0103 | Gregory Staley<br>MW 12:00pm - 12:50pm<br>F 2:00pm - 2:50pm | Seats (Total: 25)<br>SYM 0200<br>TYD 1102 | Discussion |

**CLAS375** **Ancient Comedy**

**CLAS375 Ancient Comedy; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
Representative plays by Aristophanes, Menander, Plautus and Terence in translation; examination of Greek tradition in Roman and postclassical periods.

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|---|---|---|
| 0101 | Francisco Barrenechea | Seats (Total: 35) |
| | MWF 1:00pm - 1:50pm | HBK 0109 |

**CLAS499** **Independent Study in Classical Languages and Literatures**

**CLAS499** *(PermReq)* **Independent Study in Classical Languages and Literatures; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**CLAS499P** **Independent Study in Classical Languages and Literatures; Classical Myth in Europe**
**Contact department for information to register for this course.**

**CLAS699** **Independent Study in Classical Civilization**

**CLAS699** *(PermReq)* **Independent Study in Classical Civilization; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

## CLFS Chemical and Life Sciences Spring 2013

**CLFS001** **Life Science Assessment Test**
**Contact department for information to register for this course.**

**CLFS510** **Concepts of Modern Biology**

**CLFS510 Concepts of Modern Biology; (3 credits)** Grade Method: REG. *Prerequisite: Permission of CMNS-Chemical & Life Sciences department. Restriction: Restricted to current high school and middle school teachers.* Discussion of recent advancements in the biological sciences. Includes in depth treatment of the background information responsible for the advancements. Not acceptable for credit towards a degree. Restricted to students in the CLFS program. Click here for more information.

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|---|---|---|
| PL01 | Bretton Kent | Seats (Total: 20) |
| | **Meets February 26, 2013 - May 18, 2013** | |
| | Class time/details on ELMs | ONLINE |

**CLFS520** **Concepts of Modern Chemistry**

**CLFS520 Concepts of Modern Chemistry; (3 credits)** Grade Method: REG.
Basic concepts and recent advances in the chemical sciences. It is designed to be a review of the first two years of college chemistry for the student persuing the Master of Life Science degree with a concentration in chemistry. Also includes material preparatory for LFSC courses such as LFSC 690 and LFSC 655. A basic text supplemented by on line text, problems and links. (Not acceptable for credit towards a degree). Restricted to students in the CLFS program. Click here for more information.

| | | |
|---|---|---|
| PL01 | Michelle Brooks | Seats (Total: 15) |
| | **Meets February 26, 2013 - May 18, 2013** | |
| | Class time/details on ELMs | ONLINE |

**CLFS608** **Seminar in Current Topics in Chemical and Life Science; Scholarly Paper**

**CLFS608** *(PermReq)* **Seminar in Current Topics in Chemical and Life Science: Scholarly Paper; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Contact Dr. Brett Kent (bkent@umd.edu) to establish a mentor; and then contact the Office of Extended Studies (oes@umd.edu) to register.

**Contact department for information to register for this course.**

**CLFS608A** **Seminar in Current Topics in Chemical and Life Science; Independent Research**

**CLFS608A** *(PermReq)* **Seminar in Current Topics in Chemical and Life Science: Independent Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Contact the Office of Extended Studies (oes@umd.edu) to register.

**Contact department for information to register for this course.**

**CLFS609I** **Special Topics; Endocrinology**

**CLFS609I Special Topics: Endocrinology; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| PL01 | Tammatha O'Brien | Seats (Total: 20) |
| | **Meets February 26, 2013 - May 18, 2013** | |
| | Class time/details on ELMs | ONLINE |

**CLFS610** **Natural Products Chemistry**

**CLFS610 Natural Products Chemistry; (3 credits)** Grade Method: REG.
*Restriction: Permission of CMNS-Chemical & Life Sciences department. Credit only granted for: LFSC609D or LFSC610. Formerly: LFSC609D.* Foundations of natural products chemistry; how nature goes about making (biosynthesizing) these compounds and elements of enzymology and genomics relevant to production of these compounds; relevance of natural products chemistry as a driving force for drug discovery and innovation in biotechnology. Restricted to students in the CLFS program. Click here for more information.

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|---|---|---|
| PL01 | Bruce Jarvis | Seats (Total: 20) |
| | **Meets February 26, 2013 - May 18, 2013** | |
| | Class time/details on ELMs | ONLINE |

**CLFS619D** **Special Topics in Chemistry; Forensic Chemistry**

**CLFS619D Special Topics in Chemistry: Forensic Chemistry; (3 credits)** Grade Method: REG/AUD.
For CLFS majors only.

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|---|---|---|
| PL01 | Michelle Brooks | Seats (Total: 24) |
| | **Meets February 26, 2013 - May 18, 2013** | |
| | Class time/details on ELMs | ONLINE |

**CLFS620** **Modern Molecular Genetics**

**CLFS620 Modern Molecular Genetics; (3 credits)** Grade Method: REG/AUD.
An overview of genetics including the genetic basis/components in prevalent diseases, genetically engineered organisms and foods, the importance of knowing the complete DNA sequence of organisms. Restricted to students in the CLFS program. Click here for more information.

| | | |
|---|---|---|
| PL01 | Paul Bottino | Seats (Total: 21) |
| | **Meets February 26, 2013 - May 18, 2013** | |
| | Class time/details on ELMs | ONLINE |

**CLFS690** **Biochemistry**

**CLFS690 Biochemistry; (3 credits)** Grade Method: REG/AUD.
An advanced overview of general biochemistry including a study of protein structure and their physical properties; how these properties relate to catalysis, regulation of catalysis and metabolic chemistry with respect to their relationship to physiological conditions. Restricted to students in the CLFS program. Click here for more information.

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|---|---|---|
| PL01 | David Jollie | Seats (Total: 24) |
| | **Meets February 26, 2013 - May 18, 2013** | |
| | Contact instructor or department for details. | |

# CMLT Comparative Literature Spring 2013

**CMLT235** **Black Diaspora Literature and Culture**

**CMLT235 Black Diaspora Literature and Culture; (3 credits)** Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
*Credit only granted for: CMLT235 or ENGL235.* Examination of key works by writers of the African Diaspora. Relationship among black people across multiple geographic spaces; Africa, the Caribbean, the United States, Europe, Latin America, and Asia. Specific historical, cultural, and literary contexts; themes such as gender, sexuality, migration, slavery, freedom, and equality. Readings may include literary texts (fiction, poetry, drama), music and film. All readings in English, but drawn from multiple languages of the black diaspora, including English, Spanish, French and Portuguese.

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|---|---|---|
| 0101 | Christin Taylor | Seats (Total: 30) |
| | MWF 2:00pm - 2:50pm | ASY 3215 |

**CMLT270** **Global Literature and Social Change**

**CMLT270 Global Literature and Social Change; (3 credits)** Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies. Comparative study of literature through selected literary works from several non-Western cultures, viewed cross-culturally in light of particular social, political, and economic perspectives.

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|---|---|---|
| 0101 | Ellen Moll<br>MWF 12:00pm - 12:50pm | Seats (Total: 30)<br>TLF 1103 |
| 0201 | Jeremy Metz<br>TuTh 12:30pm - 1:45pm | Seats (Total: 30)<br>HBK 0109 |
| 0301 | Uchechi Okereke-Beshel<br>TuTh 2:00pm - 3:15pm | Seats (Total: 30)<br>HBK 1112 |

**CMLT275** **World Literature by Women**

**CMLT275 World Literature by Women; (3 credits)** Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
*Also offered as: WMST275. Credit only granted for: CMLT275 or WMST275.*
Comparative study of selected works by women writers of several countries, exploring points of intersection and divergence in women's literary representations.

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|---|---|---|
| 0101 | Lindsay Bogner<br>TuTh 12:30pm - 1:45pm | Seats (Total: 30)<br>HBK 1112 |
| 0201 | Liora Moriel<br>MWF 10:00am - 10:50am | Seats (Total: 30)<br>PLS 1111 |
| 0301 | Liora Moriel<br>MWF 11:00am - 11:50am | Seats (Total: 30)<br>HBK 0105 |

**CMLT277** **Literatures of the Americas**

**CMLT277 Literatures of the Americas; (3 credits)** Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Comparative study of several North, South, and Central American cultures with a focus on the specificities, similarities, and divergences of their literary and cultural texts.

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|---|---|---|
| 0101 | Emily Perez<br>TuTh 9:30am - 10:45am | Seats (Total: 30)<br>HBK 0103 |

**CMLT280** **Film Art in a Global Society**

**CMLT280 Film Art in a Global Society; (3 credits)** Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
Comparative study of a variety of film traditions from around the world, including cinema from Hollywood, Europe, Asia and developing countries, with a stress on different cultural contexts for film-making and viewing.

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|---|---|---|
| 0101 | Caitlin McGrath<br>TuTh 11:00am - 12:15pm | Seats (Total: 30)<br>PLS 1117 |
| 0201 | Joseph Byrne<br>MWF 1:00pm - 1:50pm | Seats (Total: 30)<br>ASY 3215 |

**CMLT386** **Experiential Learning**

**CMLT386** *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
*Restriction: Junior standing or higher; and permission of ARHU-English department.*

**Contact department for information to register for this course.**

**CMLT398L** **Special Topics in Comparative Studies; The Jazz Paradigm**

**CMLT398L Special Topics in Comparative Studies: The Jazz Paradigm; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as ENGL379R. Repeatable to 9 credits if content differs. Special topics in comparative studies.

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| 0101 | Eugene Robinson<br>TuTh 9:30am - 10:45am | Seats (Total: 30)<br>TWS 0214 | |

**CMLT398N** **Special Topics in Comparative Studies; Cinema of Liberation**

**CMLT398N Special Topics in Comparative Studies: Cinema of Liberation; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as ENGL329A. Repeatable to 9 credits if content differs. Special topics in comparative studies.

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|---|---|---|---|
| 0101 | Eugene Robinson<br>TuTh 12:30pm - 1:45pm<br>Tu 3:30pm - 5:30pm | Seats (Total: 30)<br>TWS 1107<br>TWS 1100 | <br><br>Lab |
| 0201 | Eugene Robinson<br>TuTh 2:00pm - 3:15pm<br>Tu 3:30pm - 5:30pm | Seats (Total: 30)<br>TWS 1107<br>TWS 1100 | <br><br>Lab |

**CMLT498F** **Selected Topics in Comparative Studies; The Americas in Film**

**CMLT498F Selected Topics in Comparative Studies: The Americas in Film; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENGL245, FILM245, SLLC283, or FILM283; or permission of program.
Also offered as ENGL468F and FILM429F.

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| 0101 | Regina Harrison<br>MW 12:30pm - 1:45pm<br>M 3:30pm - 6:00pm | Seats (Total: 25)<br>HBK 0302H<br>SQH 2122 | <br><br>Lab |

**CMLT699** **Independent Study**

**CMLT699** *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**CMLT788D** **Practicum in Comparative Studies; Orientations in Film Theory**

**CMLT788D Practicum in Comparative Studies: Orientations in Film Theory; (1 credit)** Grade Method: S-F.
Class meets from 2-4pm on the following dates; 2/08, 3/15, 4/12 and 5/03 in HBK 0302H.Also offered as SLLC6998D.

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|---|---|---|
| 0101 | Eric Zakim, Luka Arsenjuk | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**CMLT799** **Master's Thesis Research**

**CMLT799 Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**CMLT898** **Pre-Candidacy Research**

**CMLT898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**CMLT899** **Doctoral Dissertation Research**

**CMLT899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

## CMSC Computer Science Spring 2013

**CMSC122** **Introduction to Computer Programming via the Web**

**CMSC122 Introduction to Computer Programming via the Web; (3 credits)** Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Scholarship in Practice.
*Restriction: Must not have completed any courses from CMSC131-499 course range. Credit only granted for: CMSC122 or CMSC198N. Formerly: CMSC198N.* Introduction to computer programming in the context of developing full featured dynamic web sites. Uses a problem solving approach to teach basics of program design and implementation using JavaScript; relates these skills to creation of dynamic web sites; then explores both the potential and limits of web-based information sources for use in research. Intended to help relate a student's major to these emerging technologies.

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|---|---|---|---|
| 0101 | Jandelyn Plane<br>MWF 9:00am - 9:50am | Seats (Total: 75)<br>CSI 1115 | |
| 0201 | Jandelyn Plane<br>MWF 10:00am - 10:50am | Seats (Total: 75)<br>CSI 1115 | |
| 0301 | Jandelyn Plane<br>MWF 11:00am - 11:50am | Seats (Total: 75)<br>CSI 3117 | |

**CMSC131** **Object-Oriented Programming I**

**CMSC131** *(PermReq)* **Object-Oriented Programming I; (4 credits)** Grade Method: REG.
*Corequisite: MATH140; and permission of CMNS-Computer Science department.* Introduction to programming and computer science. Emphasizes understanding and implementation of applications using object-oriented techniques. Develops skills such as program design and testing as well as implementation of programs using a graphical IDE. Programming done in Java.

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|---|---|---|---|
| 0101 | Thomas Reinhardt<br>MWF 11:00am - 11:50am<br>MW 8:00am - 8:50am | Seats (Total: 30)<br>CSI 2117<br>CSI 2118 | <br><br>Discussion |
| 0102 | Thomas Reinhardt<br>MWF 11:00am - 11:50am<br>MW 9:00am - 9:50am | Seats (Total: 29)<br>CSI 2117<br>CSI 2118 | <br><br>Discussion |

| | | | |
|---|---|---|---|
| 0201 | Evan Golub<br>MWF 1:00pm - 1:50pm<br>MW 12:00pm - 12:50pm | Seats (Total: 30)<br>CSI 2117<br>CSI 2120 | <br><br>Discussion |
| 0202 | Evan Golub<br>MWF 1:00pm - 1:50pm<br>MW 11:00am - 11:50am | Seats (Total: 29)<br>CSI 2117<br>CSI 2118 | <br><br>Discussion |
| 0203 | Evan Golub<br>MWF 1:00pm - 1:50pm<br>MW 12:00pm - 12:50pm | Seats (Total: 29)<br>CSI 2117<br>CSI 2118 | <br><br>Discussion |
| 0301 | Evan Golub<br>MWF 12:00pm - 12:50pm<br>MW 10:00am - 10:50am | Seats (Total: 29)<br>CSI 2117<br>CSI 2120 | <br><br>Discussion |
| 0302 | Evan Golub<br>MWF 12:00pm - 12:50pm<br>MW 11:00am - 11:50am | Seats (Total: 30)<br>CSI 2117<br>CSI 2120 | <br><br>Discussion |
| 0303 | Evan Golub<br>MWF 12:00pm - 12:50pm<br>MW 9:00am - 9:50am | Seats (Total: 30)<br>CSI 2117<br>CSI 1121 | <br><br>Discussion |
| 0401 | Fawzi Emad<br>MWF 2:00pm - 2:50pm<br>MW 8:00am - 8:50am | Seats (Total: 29)<br>CSI 3117<br>CSI 2120 | <br><br>Discussion |
| 0402 | Fawzi Emad<br>MWF 2:00pm - 2:50pm<br>MW 9:00am - 9:50am | Seats (Total: 29)<br>CSI 3117<br>CSI 2120 | <br><br>Discussion |
| 0403 | Fawzi Emad<br>MWF 2:00pm - 2:50pm<br>MW 10:00am - 10:50am | Seats (Total: 29)<br>CSI 3117<br>CSI 1121 | <br><br>Discussion |

**CMSC132 Object-Oriented Programming II**

**CMSC132** *(PermReq)* **Object-Oriented Programming II; (4 credits)** Grade Method: REG.

*Prerequisite: Minimum grade of C- in CMSC131; or must have earned a score of 5 on the A Java AP exam. Or permission of the department based on satisfactory performance on the department placement exam; and minimum grade of C- in MATH140; and permission of CMNS-Computer Science department.* Introduction to use of computers to solve problems using software engineering principles. Design, build, test, and debug medium -size software systems and learn to use relevant tools. Use object-oriented methods to create effective and efficient problem solutions. Use and implement application programming interfaces (APIs). Programming done in Java.

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|---|---|---|---|
| 0101 | Nelson Padua-Perez<br>MWF 3:00pm - 3:50pm<br>MW 11:00am - 11:50am | Seats (Total: 27)<br>CSI 3117<br>CSI 2107 | <br><br>Discussion |
| 0102 | Nelson Padua-Perez<br>MWF 3:00pm - 3:50pm<br>MW 12:00pm - 12:50pm | Seats (Total: 27)<br>CSI 3117<br>CSI 2107 | <br><br>Discussion |
| 0103 | Nelson Padua-Perez<br>MWF 3:00pm - 3:50pm<br>MW 2:00pm - 2:50pm | Seats (Total: 27)<br>CSI 3117<br>CSI 2107 | <br><br>Discussion |
| 0201 | Nelson Padua-Perez<br>MWF 4:00pm - 4:50pm<br>MW 2:00pm - 2:50pm | Seats (Total: 27)<br>CSI 3117<br>CSI 1122 | <br><br>Discussion |
| 0202 | Nelson Padua-Perez<br>MWF 4:00pm - 4:50pm<br>MW 12:00pm - 12:50pm | Seats (Total: 27)<br>CSI 3117<br>CSI 1122 | <br><br>Discussion |
| 0301 | Fawzi Emad<br>MWF 11:00am - 11:50am<br>MW 1:00pm - 1:50pm | Seats (Total: 27)<br>CSI 1115<br>CSI 1122 | <br><br>Discussion |
| 0302 | Fawzi Emad<br>MWF 11:00am - 11:50am<br>MW 9:00am - 9:50am | Seats (Total: 27)<br>CSI 1115<br>CSI 2107 | <br><br>Discussion |

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|---|---|---|---|
| 0303 | Fawzi Emad<br>MWF 11:00am - 11:50am<br>MW 10:00am - 10:50am | Seats (Total: 27)<br>CSI 1115<br>CSI 2107 | <br><br>Discussion |
| 0401 | Fawzi Emad<br>MWF 12:00pm - 12:50pm<br>MW 9:00am - 9:50am | Seats (Total: 28)<br>CSI 1115<br>CSI 1122 | <br><br>Discussion |
| 0402 | Fawzi Emad<br>MWF 12:00pm - 12:50pm<br>MW 10:00am - 10:50am | Seats (Total: 27)<br>CSI 1115<br>CSI 1122 | <br><br>Discussion |
| 0403 | Fawzi Emad<br>MWF 12:00pm - 12:50pm<br>MW 11:00am - 11:50am | Seats (Total: 27)<br>CSI 1115<br>CSI 1122 | <br><br>Discussion |

**CMSC132H** **Object-Oriented Programming II**

**CMSC132H** *(PermReq)* **Object-Oriented Programming II; (4 credits)** Grade Method: REG.
*Prerequisite: Minimum grade of C- in CMSC131; or must have earned a score of 5 on the A Java AP exam. Or permission of the department based on satisfactory performance on the department placement exam; and minimum grade of C- in MATH140; and permission of CMNS-Computer Science department.* Introduction to use of computers to solve problems using software engineering principles. Design, build, test, and debug medium -size software systems and learn to use relevant tools. Use object-oriented methods to create effective and efficient problem solutions. Use and implement application programming interfaces (APIs). Programming done in Java. For general honors students only.

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|---|---|---|---|
| 0101 | Nelson Padua-Perez<br>MWF 2:00pm - 2:50pm<br>MW 1:00pm - 1:50pm | Seats (Total: 25)<br>CSI 2118<br>CSI 2107 | <br><br>Discussion |

**CMSC198A** **Special Topics in Computer Science for Non-Majors**

**CMSC198A** *(PermReq)* **Special Topics in Computer Science for Non-Majors; (1-4 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**CMSC216** **Introduction to Computer Systems**

**CMSC216** *(PermReq)* **Introduction to Computer Systems; (4 credits)** Grade Method: REG.
*Prerequisite: Minimum grade of C- in CMSC132; and minimum grade of C- in MATH141. Corequisite: CMSC250. Credit only granted for: CMSC212, (CMSC213 and CMSC313), or CMSC216.* Machine representation of data including intergers and floating point. Modern computer architectural features and their interaction with software (registers, caches). Interaction between user programs and the OS: system class, process, and thread management. Optimizing software to improve runtime performance using both compilers and hand turning.

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|---|---|---|---|
| 0101 | Laurence Herman<br>TuTh 11:00am - 12:15pm<br>MW 9:00am - 9:50am | Seats (Total: 32)<br>CSI 1115<br>CSI 3118 | Discussion |
| 0102 | Laurence Herman<br>TuTh 11:00am - 12:15pm<br>MW 10:00am - 10:50am | Seats (Total: 32)<br>CSI 1115<br>CSI 3118 | Discussion |
| 0103 | Laurence Herman<br>TuTh 11:00am - 12:15pm<br>MW 8:00am - 8:50am | Seats (Total: 32)<br>CSI 1115<br>CSI 3118 | Discussion |
| 0201 | Laurence Herman<br>TuTh 3:30pm - 4:45pm<br>MW 11:00am - 11:50am | Seats (Total: 30)<br>CSI 2117<br>CSI 3118 | Discussion |
| 0202 | Laurence Herman<br>TuTh 3:30pm - 4:45pm<br>MW 1:00pm - 1:50pm | Seats (Total: 29)<br>CSI 2117<br>CSI 3118 | Discussion |
| 0203 | Laurence Herman<br>TuTh 3:30pm - 4:45pm<br>MW 3:00pm - 3:50pm | Seats (Total: 29)<br>CSI 2117<br>CSI 3118 | Discussion |
| 0301 | Laurence Herman<br>TuTh 2:00pm - 3:15pm<br>MW 12:00pm - 12:50pm | Seats (Total: 32)<br>CSI 2117<br>CSI 3118 | Discussion |

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|---|---|---|---|
| 0302 | Laurence Herman<br>TuTh 2:00pm - 3:15pm<br>MW 2:00pm - 2:50pm | Seats (Total: 32)<br>CSI 2117<br>CSI 3118 | <br><br>Discussion |

**CMSC250** **Discrete Structures**

**CMSC250** *(PermReq)* **Discrete Structures; (4 credits)** Grade Method: REG. *Prerequisite: Minimum grade of C- in CMSC131; and minimum grade of C- in MATH141. Restriction: Permission of CMNS-Computer Science department. Formerly: CMSC150.* Fundamental mathematical concepts related to computer science, including finite and infinite sets, relations, functions, and propositional logic. Introduction to other techniques, modeling and solving problems in computer science. Introduction to permutations, combinations, graphs, and trees with selected applications.

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| 0101 | Thomas Reinhardt<br>TuTh 2:00pm - 3:15pm<br>MW 11:00am - 11:50am | Seats (Total: 29)<br>CSI 3117<br>CSI 3120 | <br><br>Discussion |
| 0102 | Thomas Reinhardt<br>TuTh 2:00pm - 3:15pm<br>MW 12:00pm - 12:50pm | Seats (Total: 29)<br>CSI 3117<br>CSI 3120 | <br><br>Discussion |
| 0104 | Thomas Reinhardt<br>TuTh 2:00pm - 3:15pm<br>MW 1:00pm - 1:50pm | Seats (Total: 29)<br>CSI 3117<br>CSI 2120 | <br><br>Discussion |
| 0201 | Thomas Reinhardt<br>TuTh 12:30pm - 1:45pm<br>MW 9:00am - 9:50am | Seats (Total: 29)<br>CSI 1115<br>CSI 3120 | <br><br>Discussion |
| 0202 | Thomas Reinhardt<br>TuTh 12:30pm - 1:45pm<br>MW 8:00am - 8:50am | Seats (Total: 29)<br>CSI 1115<br>CSI 3120 | <br><br>Discussion |
| 0203 | Thomas Reinhardt<br>TuTh 12:30pm - 1:45pm<br>MW 1:00pm - 1:50pm | Seats (Total: 29)<br>CSI 1115<br>CSI 3120 | <br><br>Discussion |

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| 0204 | Thomas Reinhardt | Seats (Total: 30) | |
| | TuTh 12:30pm - 1:45pm<br>MW 10:00am - 10:50am | CSI 1115<br>CSI 3120 | Discussion |

**CMSC250H** **Discrete Structures**

**CMSC250H** *(PermReq)* **Discrete Structures; (4 credits)** Grade Method: REG.
*Prerequisite: Minimum grade of C- in CMSC131; and minimum grade of C- in MATH141. Restriction: Permission of CMNS-Computer Science department. Formerly: CMSC150.* Fundamental mathematical concepts related to computer science, including finite and infinite sets, relations, functions, and propositional logic. Introduction to other techniques, modeling and solving problems in computer science. Introduction to permutations, combinations, graphs, and trees with selected applications.

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|---|---|---|---|
| 0101 | Clyde Kruskal | Seats (Total: 29) | |
| | TuTh 2:00pm - 3:15pm<br>MW 2:00pm - 2:50pm | CSI 1121<br>CSI 2120 | Discussion |

**CMSC298A** **Special Topics in Computer Science**

**CMSC298A** *(PermReq)* **Special Topics in Computer Science; (1-4 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**CMSC330** **Organization of Programming Languages**

**CMSC330** *(PermReq)* **Organization of Programming Languages; (3 credits)** Grade Method: REG.
*Prerequisite: Minimum grade of C- in CMSC250 and CMSC216; and permission of CMNS-Computer Science department.* The semantics of programming languages and their run-time organization. Several different models of languages are discussed, including procedural (e.g., C, Pascal), functional (e.g., ML, LISP), rule-based (e.g., Prolog), and object-oriented (e.g., C++, Smalltalk). Run-time structures, including dynamic versus static scope rules, storage for strings, arrays, records, and object inheritance are explored.

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| 0101 | David Levin<br>TuTh 3:30pm - 4:45pm<br>F 12:00pm - 12:50pm | Seats (Total: 28)<br>CSI 1115<br>CSI 2120 | Discussion |
| 0102 | David Levin<br>TuTh 3:30pm - 4:45pm<br>F 10:00am - 10:50am | Seats (Total: 28)<br>CSI 1115<br>CSI 2118 | Discussion |
| 0103 | David Levin<br>TuTh 3:30pm - 4:45pm<br>F 11:00am - 11:50am | Seats (Total: 28)<br>CSI 1115<br>CSI 2120 | Discussion |
| 0104 | David Levin<br>TuTh 3:30pm - 4:45pm<br>F 9:00am - 9:50am | Seats (Total: 28)<br>CSI 1115<br>CSI 2118 | Discussion |
| 0201 | Michael Hicks<br>TuTh 2:00pm - 3:15pm<br>F 12:00pm - 12:50pm | Seats (Total: 28)<br>CSI 1115<br>CSI 2118 | Discussion |
| 0202 | Michael Hicks<br>TuTh 2:00pm - 3:15pm<br>F 10:00am - 10:50am | Seats (Total: 28)<br>CSI 1115<br>CSI 2120 | Discussion |
| 0203 | Michael Hicks<br>TuTh 2:00pm - 3:15pm<br>F 11:00am - 11:50am | Seats (Total: 28)<br>CSI 1115<br>CSI 2118 | Discussion |
| 0204 | Michael Hicks<br>TuTh 2:00pm - 3:15pm<br>F 9:00am - 9:50am | Seats (Total: 28)<br>CSI 1115<br>CSI 2120 | Discussion |

**CMSC351** **Algorithms**

**CMSC351** *(PermReq)* **Algorithms; (3 credits)** Grade Method: REG.
*Prerequisite: Minimum grade of C- in CMSC250 and CMSC216; and permission of CMNS-Computer Science department. Credit only granted for: CMSC251 or CMSC351. Additional information: CMSC351 may not count as one of the required upper level CMSC courses for students who are required to have 24 upper level CMSC credits for graduation, i.e. for students who became computer science majors prior to Fall, 2002.* A systematic study of the complexity of some elementary algorithms related to sorting, graphs and trees, and combinatorics. Algorithms are analyzed using mathematical techniques to solve recurrences and summations.

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| 0101 | Clyde Kruskal<br>TuTh 11:00am - 12:15pm | Seats (Total: 71)<br>CSI 3117 |
| 0201 | Clyde Kruskal<br>TuTh 9:30am - 10:45am | Seats (Total: 70)<br>CSI 1115 |
| 0301 | Hamid Mahini<br>TuTh 12:30pm - 1:45pm | Seats (Total: 70)<br>CSI 3117 |

**CMSC390** **Honors Paper**

**CMSC390** *(PermReq)* **Honors Paper; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
*Restriction: Must be admitted to the Computer Science Honors Program.* Special study or research directed toward preparation of honors paper.

**Contact department for information to register for this course.**

**CMSC411** **Computer Systems Architecture**

**CMSC411** *(PermReq)* **Computer Systems Architecture; (3 credits)** Grade Method: REG.
*Prerequisite: Minimum grade of C- in CMSC330; or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Restriction: Permission of CMNS-Computer Science department.* Input/output processors and techniques. Intra-system communication, buses, caches. Addressing and memory hierarchies. Microprogramming, parallelism, and pipelining.

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| 0101 | Michelle Hugue<br>MW 2:00pm - 3:15pm | Seats (Total: 40)<br>CSI 3120 |

**CMSC412** **Operating Systems**

**CMSC412** *(PermReq)* **Operating Systems; (4 credits)** Grade Method: REG. CORE Capstone (CS) Course.
*Prerequisite: Minimum grade of C- in CMSC330; or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Restriction: Permission of CMNS-Computer Science department.* An introduction to batch systems, spooling systems, and third-generation multiprogramming systems. Description of the parts of an operating system in terms of function, structure, and implementation. Basic resource allocation policies.

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| 0101 | Neil Spring<br>TuTh 11:00am - 12:15pm<br>MW 3:00pm - 3:50pm | Seats (Total: 20)<br>CSI 2107<br>CSI 2120 | <br><br>Discussion |
| 0102 | Neil Spring<br>TuTh 11:00am - 12:15pm<br>MW 4:00pm - 4:50pm | Seats (Total: 20)<br>CSI 2107<br>CSI 2120 | <br><br>Discussion |

**CMSC414** **Computer and Network Security**

**CMSC414** *(PermReq)* **Computer and Network Security; (3 credits)** Grade Method: REG.
*Prerequisite: Minimum grade of C- in CMSC216 and CMSC330; or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Restriction: Permission of CMNS-Computer Science department.* An introduction to the topic of security in the context of computer systems and networks. Identify, analyze, and solve network-related security problems in computer systems. Fundamentals of number theory, authentication, and encryption technologies, as well as the practical problems that have to be solved in order to make those technologies workable in a networked environment, particularly in the wide-area Internet environment.

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| 0101 | Peter Keleher<br>TuTh 12:30pm - 1:45pm | Seats (Total: 40)<br>CSI 3120 | |
| 0201 | Elaine Shi<br>MW 3:30pm - 4:45pm | Seats (Total: 50)<br>CSI 1122 | |
| 0301 | A.U. Shankar<br>TuTh 11:00am - 12:15pm | Seats (Total: 50)<br>CSI 2117 | |

**CMSC417** **Computer Networks**

**CMSC417** *(PermReq)* **Computer Networks; (3 credits)** Grade Method: REG. *Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.* Computer networks and architectures. The OSI model including discussion and examples of various network layers. A general introduction to existing network protocols. Communication protocol specification, analysis, and testing.

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| 0101 | Samrat Bhattacharjee<br>TuTh 11:00am - 12:15pm | Seats (Total: 45)<br>CSI 1122 |

**CMSC420** **Data Structures**

**CMSC420** *(PermReq)* **Data Structures; (3 credits)** Grade Method: REG. *Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.* Description, properties, and storage allocation of data structures including lists and trees. Algorithms for manipulating structures. Applications from areas such as data processing, information retrieval, symbol manipulation, and operating systems.

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| 0101 | Venkatramanan Subrahmanian<br>TuTh 9:30am - 10:45am | Seats (Total: 40)<br>CSI 2120 |
| 0201 | Michelle Hugue<br>TuTh 2:00pm - 3:15pm | Seats (Total: 50)<br>CSI 1122 |
| 0301 | Michelle Hugue<br>TuTh 3:30pm - 4:45pm | Seats (Total: 50)<br>CSI 1122 |

**CMSC421** **Introduction to Artificial Intelligence**

**CMSC421** *(PermReq)* **Introduction to Artificial Intelligence; (3 credits)** Grade Method: REG.
*Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.* Areas and issues in artificial intelligence, including search, inference, knowledge representation, learning, vision, natural languages, expert systems, robotics. Implementation and application of programming languages (e.g. LISP, PROLOG, SMALLTALK), programming techniques (e.g. pattern matching, discrimination networks) and control structures (e.g. agendas, data dependencies).

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| 0101 | Lise Getoor | Seats (Total: 50) |
| | TuTh 9:30am - 10:45am | CSI 1121 |

**CMSC422** **Introduction to Machine Learning**

**CMSC422** *(PermReq)* **Introduction to Machine Learning; (3 credits)** Grade Method: REG.
*Prerequisite: Minimum grade of C- in CMSC351 and CMSC330. Recommended: STAT400.* Machine Learning studies representations and algorithms that allow machines to improve their performance on a task from experience. This is a broad overview of existing methods for machine learning and an introduction to adaptive systems in general. Emphasis is given to practical aspects of machine learning and data mining.

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| 0101 | Hal Daume | Seats (Total: 54) |
| | MWF 4:00pm - 4:50pm | CSI 2117 |

**CMSC424** **Database Design**

**CMSC424** *(PermReq)* **Database Design; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
*Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.* Students are introduced to database systems and motivates the database approach as a mechanism for modeling the real world. An in-depth coverage of the relational model, logical database design, query languages, and other database concepts including query optimization, concurrency control; transaction management, and log based crash recovery. Distributed and Web database architectures are also discussed.

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| 0101 | Nicholas Roussopoulos | Seats (Total: 50) |
| | TuTh 12:30pm - 1:45pm | CSI 1121 |

**CMSC425** **Game Programming**

**CMSC425** *(PermReq)* **Game Programming; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in CMSC420. Corequisite: CMSC427.* An introduction to the principles and practice of computer game programming and design. This includes an introduction to game hardware and systems, the principles of game design, object and terrain modeling, game physics, artificial intelligence for games, networking for games, rendering and animation, and aural rendering. Course topics are reinforced through the design and implementation of a working computer game.

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| 0101 | David Mount | Seats (Total: 50) |
| | TuTh 9:30am - 10:45am | CSI 1122 |

**CMSC426** **Image Processing**

**CMSC426** *(PermReq)* **Image Processing; (3 credits)** Grade Method: REG.
*Prerequisite: Minimum grade of C- in CMSC420; or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Restriction: Permission of CMNS-Computer Science department.* An introduction to basic techniques of analysis and manipulation of pictorial data by computer. Image input/output devices, image processing software, enhancement, segmentation, property measurement, Fourier analysis. Computer encoding, processing, and analysis of curves.

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| 0101 | John Aloimonos<br>TuTh 12:30pm - 1:45pm | Seats (Total: 40)<br>CSI 1122 |

**CMSC433** **Programming Language Technologies and Paradigms**

**CMSC433** *(PermReq)* **Programming Language Technologies and Paradigms; (3 credits)** Grade Method: REG.
*Prerequisite: Minimum grade of C- in CMSC330; or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Restriction: Permission of CMNS-Computer Science department.* Programming language technologies (e.g., object-oriented programming), their implementations and use in software design and implementation.

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| 0101 | Evan Golub<br>MW 2:00pm - 3:15pm | Seats (Total: 50)<br>CSI 1121 |

**CMSC434** **Introduction to Human-Computer Interaction**

**CMSC434** *(PermReq)* **Introduction to Human-Computer Interaction; (3 credits)** Grade Method: REG.
*Prerequisite: Minimum grade of C- in CMSC330; and PSYC100; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.* Assess usability by quantitative and qualitative methods. Conduct task analyses, usability tests, expert reviews, and continuing assessments of working products by interviews, surveys, and logging. Apply design processes and guidelines to develop professional quality user interfaces. Build low-fidelity paper mockups, and a high-fidelity prototype using contemporary tools such as graphic editors and a graphical programming environment (eg: Visual Basic, Java).

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| 0101 | Jon Froehlich<br>TuTh 11:00am - 12:15pm | Seats (Total: 48)<br>CSI 1121 |

**CMSC435** **Software Engineering**

**CMSC435** *(PermReq)* **Software Engineering; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
*Prerequisite: 1 course with a minimum grade of C- from (CMSC412, CMSC417, CMSC420, CMSC430, CMSC433); and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.* State-of-the-art techniques in software design and development. Laboratory experience in applying the techniques covered. Structured design, structured programming, top-down design and development, segmentation and modularization techniques, iterative enhancement, design and code inspection techniques, correctness, and chief-programmer teams. The development of a large software project.

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| 0101 | James Purtilo<br>TuTh 9:30am - 10:45am | Seats (Total: 40)<br>CSI 2107 |
| 0201 | Atif Memon<br>TuTh 11:00am - 12:15pm | Seats (Total: 40)<br>CSI 3120 |

**CMSC436** **Programming Handheld Systems**

**CMSC436** *(PermReq)* **Programming Handheld Systems; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in CMSC330. Restriction: Permission of CMNS-Computer Science department.* Fundamental principles and concepts that underlie the programming of handheld systems, such as mobile phones, personal digital assistants, and tablet computers. Particular emphasis will be placed on concepts such as limited display size, power, memory and CPU speed; and new input modalities, where handheld systems differ substantially from non-handheld systems, and thus require special programming tools and approaches. Students will apply these concepts and principles in the context of an existing handset programming platform.

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| 0101 | Atif Memon<br>TuTh 8:00am - 9:15am | Seats (Total: 50)<br>CSI 1121 |

**CMSC451** **Design and Analysis of Computer Algorithms**

**CMSC451** *(PermReq)* **Design and Analysis of Computer Algorithms; (3 credits)** Grade Method: REG.
*Prerequisite: Minimum grade of C- in CMSC351; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.* Fundamental techniques for designing efficient computer algorithms, proving their correctness, and analyzing their complexity. General topics include sorting, selection, graph algorithms, and basic algorithm design paradigms (such as divide-and-conquer, dynamic programming and greedy algorithms), lower bounds and NP-completeness.

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| 0101 | Jessica Chang, Samir Khuller | Seats (Total: 48) |
| | MWF 11:00am - 11:50am | CSI 1121 |

**CMSC452** **Elementary Theory of Computation**

**CMSC452** *(PermReq)* **Elementary Theory of Computation; (3 credits)** Grade Method: REG.
*Prerequisite: Minimum grade of C- in CMSC351; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.* Alternative theoretical models of computation, types of automata, and their relations to formal grammars and languages.

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| 0101 | William Gasarch | Seats (Total: 40) |
| | TuTh 12:30pm - 1:45pm | CSI 2120 |

**CMSC456** **Cryptology**

**CMSC456** *(PermReq)* **Cryptology; (3 credits)** Grade Method: REG.
*Prerequisite: (any two 400-level MATH courses; or (CMSC351 and CMSC330)); and permission of CMNS-Computer Science department. Or must be a CMSC graduate student. Also offered as: MATH456. Credit only granted for: CMSC456 or MATH456.* Importance in protecting data in communications between computers. The subject lies on the border between mathematics and computer science. Mathematical topics include number theory and probability, and computer science topics include complexity theory.

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| 0101 | Jonathan Rosenberg | Seats (Total: 28) |
| | MWF 10:00am - 10:50am | MTH 0105 |

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| 0201 | Lawrence Washington<br>TuTh 9:30am - 10:45am | Seats (Total: 48)<br>PHY 1402 |

**CMSC460** **Computational Methods**

**CMSC460** *(PermReq)* **Computational Methods; (3 credits)** Grade Method: REG. *Prerequisite: CMSC106, MATH240, and MATH241; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Also offered as: AMSC460. Credit only granted for: AMSC460, AMSC466, CMSC460, or CMSC466.* Basic computational methods for interpolation, least squares, approximation, numerical quadrature, numerical solution of polynomial and transcendental equations, systems of linear equations and initial value problems for ordinary differential equations. Emphasis on methods and their computational properties rather than their analytic aspects. Intended primarily for students in the physical and engineering sciences.

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|---|---|---|
| 0101 | Ramani Duraiswami<br>TuTh 12:30pm - 1:45pm | Seats (Total: 40)<br>CSI 2107 |
| 0201 | Tobias von Petersdorff<br>TuTh 11:00am - 12:15pm | Seats (Total: 35)<br>MTH B0421 |

**CMSC466** **Introduction to Numerical Analysis I**

**CMSC466** *(PermReq)* **Introduction to Numerical Analysis I; (3 credits)** Grade Method: REG.
*Prerequisite: CMSC106, MATH240, and MATH241; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Also offered as: AMSC466. Credit only granted for: AMSC460, AMSC466, CMSC460, or CMSC466.* Floating point computations, direct methods for linear systems, interpolation, solution of nonlinear equations.

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| 0101 | Maria Cameron<br>TuTh 12:30pm - 1:45pm | Seats (Total: 28)<br>MTH B0427 |

**CMSC475** **Combinatorics and Graph Theory**

**CMSC475** *(PermReq)* **Combinatorics and Graph Theory; (3 credits)** Grade Method: REG.
*Prerequisite: MATH240 and MATH241; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Also offered as: MATH475.* General enumeration methods, difference equations, generating functions. Elements of graph theory, matrix representations of graphs, applications of graph theory to transport networks, matching theory and graphical algorithms.

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|---|---|---|
| 0101 | Elizabeth Wilson | Seats (Total: 37) |
| | MWF 1:00pm - 1:50pm | ARM 0105 |

**CMSC498A** **Selected Topics in Computer Science**

**CMSC498A** *(PermReq)* **Selected Topics in Computer Science; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**CMSC498N** **Selected Topics in Computer Science; Seminar in CyberSecrity: Secure Maryland**

**CMSC498N Selected Topics in Computer Science: Seminar in CyberSecrity: Secure Maryland; (1-3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Robert Maxwell, Jonathan Katz | Seats (Total: 10) |
| | MW 1:00pm - 2:15pm | AVW 4185 |

**CMSC499A** **Independent Undergraduate Research**

**CMSC499A** *(PermReq)* **Independent Undergraduate Research; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**CMSC631** **Program Analysis and Understanding**

**CMSC631 Program Analysis and Understanding; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: CMSC430; or students who have taken courses with comparable content may contact the department.* Techniques for static analysis of source code and modern programming paradigms. Analysis techniques: data flow analysis, program dependence graphs, program slicing, abstract interpretation. The meaning of programs: denotational semantics, partial evaluation. Advanced treatment of abstraction mechanisms: polymorphic types, operation overloading, inheritance, object-oriented programming and ML-like programming languages.

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|---|---|---|
| 0101 | Tharpe Strickland, Matthew Hammer, Jeffrey Foster, Michael Hicks<br>MW 3:30pm - 4:45pm | Seats (Total: 30)<br>CSI 1121 |

**CMSC661** **Scientific Computing II**

**CMSC661 Scientific Computing II; (3 credits)** Grade Method: REG.
*Prerequisite: Must have knowledge of C or Fortran. And CMSC466, AMSC466, AMSC460, or CMSC460; or (must have knowledge of basic numerical analysis (linear equations, nonlinear equations, integration, interpolation); and permission of instructor). Also offered as: AMSC661. Credit only granted for: AMSC661 or CMSC661.* Fourier and wavelet transform methods, numerical methods for elliptic partial differential equations, numerical linear algebra for sparse matrices, Finite element methods, numerical methods for time dependent partial differential equations. Techniques for scientific computation with an introduction to the theory and software for each topic. Course is part of a two course sequence (660 and 661), but can be taken independently.

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| 0101 | Doron Levy<br>TuTh 2:00pm - 3:15pm | Seats (Total: 30)<br>MTH 0105 |

**CMSC667** **Numerical Analysis II**

**CMSC667 Numerical Analysis II; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: AMSC666 or CMSC666. Also offered as: AMSC667. Credit only granted for: AMSC667 or CMSC667.* Numerical solution of initial value problems, numerical solution of boundary value problems, iterative methods for linear systems of equations, numerical methods for eigenvalue problems.

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|---|---|---|
| 0101 | Charles Levermore<br>TuTh 2:00pm - 3:15pm | Seats (Total: 25)<br>MTH 0409 |

**CMSC702** **Computational Systems Biology**

**CMSC702 Computational Systems Biology; (3 credits)** Grade Method: REG/AUD.
An introduction to the fundamental concepts in the computational analysis of biological systems with applications to: functional genomics, population genetics, interaction networks, epigenetics. Computational concepts convered: network and graph algorithms, machine learning, large data/network visualization, statistical modeling and inference, probabilistic graphical models, sparse methods in data analysis, numerical optimization. No prior knowledge of biology required.

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|---|---|---|
| 0101 | Hector Corrada Bravo<br>MW 3:30pm - 4:45pm | Seats (Total: 40)<br>CSI 3120 |

**CMSC712** **Distributed Algorithms and Verification**

**CMSC712 Distributed Algorithms and Verification; (3 credits)** Grade Method: REG/AUD.
Study of algorithms from the distributed and concurrent systems literature. Formal approach to specifying, verifying, and deriving such algorithms. Areas selected from mutual exclusion, resource allocation, quiescence detection, election, Byzantine agreements, routing, network protocols, and fault-tolerence. Formal approaches will handle system specification and verification of safety, liveness, and real-time properties.

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|---|---|---|
| 0101 | A.U. Shankar<br>TuTh 12:30pm - 1:45pm | Seats (Total: 30)<br>CSI 3118 |

**CMSC724** **Database Management Systems**

**CMSC724 Database Management Systems; (3 credits)** Grade Method: REG/AUD.
Theoretical and implementation issues in advanced database systems. Topics include distributed databases, parallel databases, database client-server architectures, multimedia access methods, advanced query optimization techniques, data semantics and models, object-oriented databases, and deductive and expert database systems.

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|---|---|---|
| 0101 | Amol Deshpande | Seats (Total: 30) |
| | TuTh 11:00am - 12:15pm | CSI 3118 |

**CMSC727** **Neural Modeling**

**CMSC727 Neural Modeling; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: CMSC421; or students who have taken courses with comparable content may contact the department; or permission of instructor.* Fundamental methods of neural modeling. Surveys historical development and recent research results from both the computational and dynamical systems perspective. Logical neurons, perceptrons, linear adaptive networks, attractor neural networks, competitive activation methods, error back-propagation, self-organizing maps, and related topics. Applications in artificial intelligence, cognitive science, and neuroscience.

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|---|---|---|
| 0101 | James Reggia | Seats (Total: 40) |
| | TuTh 11:00am - 12:15pm | CSI 2120 |

**CMSC773** **Computational Linguistics II**

**CMSC773 Computational Linguistics II; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: LING723 or CMSC723; or permission of instructor. Also offered as: LING773. Formerly: CMSC828R. Additional information: May only receive PhD Comp. credit for CMSC723 or CMSC823, not both.* Natural language processing with a focus on corpus-based statistical techniques. Topics inlcude: stochastic language modeling, smoothing, noisy channel models, probabilistic grammars and parsing; lexical acquisition, similarity-based methods, word sense disambiguation, statistical methods in NLP applications; system evaluation.

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|---|---|---|
| 0101 | Philip Resnik | Seats (Total: 30) |
| | W 1:30pm - 4:00pm | TLF 1103 |

**CMSC798** **Graduate Seminar in Computer Science**

**CMSC798** *(PermReq)* **Graduate Seminar in Computer Science; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**CMSC798A** **Graduate Seminar in Computer Science**

**CMSC798A** *(PermReq)* **Graduate Seminar in Computer Science; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
CMSC majors only. Other majors require permission of department.

**Contact department for information to register for this course.**

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**CMSC798F** **Graduate Seminar in Computer Science**

**CMSC798F Graduate Seminar in Computer Science; (1 credit)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | John Aloimonos, Ben Shneiderman, Jeffrey Hollingsworth<br>F 10:00am - 11:00am | Seats (Total: 40)<br>CSI 3120 |

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**CMSC799** **Master's Thesis Research**

**CMSC799** *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**CMSC818A** **Advanced Topics in Computer Systems; Advanced Topics in Computer Systems**

**CMSC818A** *(PermReq)* **Advanced Topics in Computer Systems: Advanced Topics in Computer Systems; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**CMSC818F** **Advanced Topics in Computer Systems; Securing and Monetizing the Internet**

**CMSC818F Advanced Topics in Computer Systems: Securing and Monetizing the Internet; (2 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Elaine Shi, David Levin<br>Tu 5:00pm - 7:00pm | Seats (Total: 20)<br>CSI 3120 |

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**CMSC818G** **Advanced Topics in Computer Systems; Information-Centric Design of Systems**

**CMSC818G Advanced Topics in Computer Systems: Information-Centric Design of Systems; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Ashok Agrawala<br>TuTh 9:30am - 10:45am | Seats (Total: 25)<br>AVW 3258 |

**CMSC818P** **Advanced Topics in Computer Systems; Exascale Computation**

**CMSC818P Advanced Topics in Computer Systems: Exascale Computation; (2-3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Jeffrey Hollingsworth<br>TuTh 9:30am - 10:45am | Seats (Total: 25)<br>CSI 3120 |

**CMSC828A** **Advanced Topics in Information Processing**

**CMSC828A** *(PermReq)* **Advanced Topics in Information Processing; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**CMSC828B** **Advanced Topics in Information Processing; Computational Linguistics: Bayesian Nonparametrics**

**CMSC828B Advanced Topics in Information Processing: Computational Linguistics: Bayesian Nonparametrics; (3 credits)** Grade Method: REG/AUD. Also offered as LING848B. Credit will be granted for only one of the following: CMSC828B or LING848B.

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|---|---|---|
| 0101 | Jordan Boyd-Graber, Naomi Feldman, Hal Daume<br>M 1:00pm - 3:30pm | Seats (Total: 15)<br>MMH 3416 |

**CMSC828G** **Advanced Topics in Information Processing; Data-Intensive Computing with MapReduce**

**CMSC828G Advanced Topics in Information Processing: Data-Intensive Computing with MapReduce; (3 credits)** Grade Method: REG/AUD.
Also offered as INFM718G. Credit will be granted for only one of the following: CMSC828G or INFM718G.

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|---|---|---|
| 0101 | Jimmy Lin<br>Th 6:00pm - 8:45pm | Seats (Total: 45)<br>HBK 0103 |

**CMSC828J** **Advanced Topics in Information Processing**

**CMSC828J Advanced Topics in Information Processing; (1-3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | David Jacobs<br>MW 3:30pm - 4:45pm | Seats (Total: 30)<br>CSI 2118 |

**CMSC828V** **Advanced Topics in Information Processing**

**CMSC828V Advanced Topics in Information Processing; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Amitabh Varshney<br>TuTh 2:00pm - 3:15pm | Seats (Total: 25)<br>CSI 3120 |

**CMSC838A** **Advanced Topics in Programming Languages**

**CMSC838A** *(PermReq)* **Advanced Topics in Programming Languages; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**CMSC858A** **Advanced Topics in Theory of Computing**

**CMSC858A** *(PermReq)* **Advanced Topics in Theory of Computing; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**CMSC858R** **Advanced Topics in Theory of Computing; Ramsey Theory and its 'Applications'**

**CMSC858R Advanced Topics in Theory of Computing: Ramsey Theory and its 'Applications'; (3 credits)** Grade Method: REG/AUD.
Also offered as AMSC698D and MATH608R.

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|---|---|---|
| 0101 | William Gasarch | Seats (Total: 25) |
| | TuTh 2:00pm - 3:15pm | CSI 2118 |

**CMSC878A** **Advanced Topics in Numerical Methods**

**CMSC878A** *(PermReq)* **Advanced Topics in Numerical Methods; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**CMSC878B** **Advanced Topics in Numerical Methods; Numerical Methods for Mathematical Models Posed with Uncertainty**

**CMSC878B Advanced Topics in Numerical Methods: Numerical Methods for Mathematical Models Posed with Uncertainty; (3 credits)** Grade Method: REG/AUD.
Also offered as AMSC698E. Credit will be granted for one of the followi ng: AMSC698E or CMSC878B.

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|---|---|---|
| 0101 | Howard Elman | Seats (Total: 25) |
| | TuTh 9:30am - 10:45am | CSI 3118 |

**CMSC898** **Pre-Candidacy Research**

**CMSC898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**CMSC899** **Doctoral Dissertation Research**

**CMSC899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# COMM Communication Spring 2013

**COMM107** **Oral Communication: Principles and Practices**

**COMM107 Oral Communication: Principles and Practices; (3 credits)** Grade Method: REG/P-F. GenEd: Fundamental Studies - Oral Communications. *Credit only granted for: COMM107, COMM200, ENES143, INAG110, JOUR130 or THET285.* A study of and practice in oral communication, including principles of interviewing, group discussion, listening, informative briefings, and persuasive speeches.

| | | |
|---|---|---|
| 0101 | Karen Lamb<br>MWF 2:00pm - 2:50pm | Seats (Total: 24)<br>PLS 1180 |
| 0201 | Irina Iles<br>TuTh 8:00am - 9:15am | Seats (Total: 24)<br>PLS 1180 |
| 0301 | Lauren Wint<br>TuTh 8:00am - 9:15am | Seats (Total: 24)<br>PLS 1184 |
| 0401 | Rachel Elrom<br>MWF 10:00am - 10:50am | Seats (Total: 24)<br>PLS 1184 |
| 0501 | Jean Vandenbosch<br>MWF 1:00pm - 1:50pm | Seats (Total: 24)<br>PLS 1180 |
| 0601 | Annie Nichols<br>TuTh 12:30pm - 1:45pm | Seats (Total: 24)<br>PLS 1180 |
| 0701 | Jeffrey McKinney<br>TuTh 11:00am - 12:15pm | Seats (Total: 24)<br>PLS 1180 |
| 0801 | Timothy Penn<br>MWF 9:00am - 9:50am | Seats (Total: 24)<br>PLS 1111 |
| 0901 | Mengqi Zhan<br>TuTh 2:00pm - 3:15pm | Seats (Total: 24)<br>PLS 1176 |
| 1001 | Ning Xie<br>TuTh 12:30pm - 1:45pm | Seats (Total: 25)<br>HBK 0105 |
| 1101 | Lauren Harris<br>MWF 8:00am - 8:50am | Seats (Total: 24)<br>HBK 0105 |

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|---|---|---|
| 1201 | Ning Xie<br>TuTh 9:30am - 10:45am | Seats (Total: 24)<br>HBK 0108 |
| 1301 | Elizabeth Gardner<br>TuTh 3:30pm - 4:45pm | Seats (Total: 24)<br>PLS 1184 |
| 1401 | Karen Lamb<br>MWF 1:00pm - 1:50pm | Seats (Total: 10)<br>SYM 0215 |
| 1501 | Melissa Janoske<br>TuTh 12:30pm - 1:45pm | Seats (Total: 25)<br>SQH 1111 |
| 1601 | Samuel Rubin<br>TuTh 3:30pm - 4:45pm | Seats (Total: 24)<br>HBK 1108 |
| 1701 | Timothy Penn<br>MWF 8:00am - 8:50am | Seats (Total: 24)<br>PLS 1111 |
| 1801 | Sean Luechtefeld<br>TuTh 2:00pm - 3:15pm | Seats (Total: 24)<br>SQH 1111 |
| 1901 | Samuel Rubin<br>TuTh 2:00pm - 3:15pm | Seats (Total: 24)<br>HBK 0123 |
| 2001 | L Gordon<br>MWF 1:00pm - 1:50pm | Seats (Total: 24)<br>PLS 1184 |
| 2101 | Rachel Elrom<br>MWF 11:00am - 11:50am | Seats (Total: 24)<br>PLS 1176 |
| 2201 | Jacquelyn Murdock<br>MWF 11:00am - 11:50am | Seats (Total: 24)<br>PLS 1180 |
| 2301 | Lauren Harris<br>MWF 10:00am - 10:50am | Seats (Total: 24)<br>PLS 1176 |
| 2401 | Lauren Harris<br>MWF 9:00am - 9:50am | Seats (Total: 23)<br>HBK 0105 |
| 2501 | Katherine Kuhn<br>MWF 11:00am - 11:50am | Seats (Total: 24)<br>EGR 0108 |

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|---|---|---|
| 2601 | Amanda Kennedy<br>TuTh 12:30pm - 1:45pm | Seats (Total: 3)<br>PLS 1184 |
| 2801 | Jacquelyn Murdock<br>MWF 2:00pm - 2:50pm | Seats (Total: 24)<br>PLS 1184 |
| 2901 | Jean Vandenbosch<br>MWF 9:00am - 9:50am | Seats (Total: 24)<br>PLS 1176 |
| 3001 | Rowena Kirby-Straker<br>MWF 9:00am - 9:50am | Seats (Total: 24)<br>HBK 0123 |
| 3101 | Lauren Wint<br>TuTh 9:30am - 10:45am | Seats (Total: 24)<br>PLS 1184 |
| 3201 | Irina Iles<br>TuTh 9:30am - 10:45am | Seats (Total: 24)<br>PLS 1180 |
| 3301 | Jeffrey McKinney<br>TuTh 9:30am - 10:45am | Seats (Total: 24)<br>HBK 0105 |
| 3401 | Samuel Rubin<br>TuTh 6:30pm - 7:45pm | Seats (Total: 24)<br>HBK 0108 |
| 3501 | Karen Lamb<br>MWF 11:00am - 11:50am | Seats (Total: 24)<br>JMP 1109 |
| 3901 | Mengqi Zhan<br>TuTh 11:00am - 12:15pm | Seats (Total: 24)<br>PLS 1184 |
| 4001 | Thomas McCloskey<br>MWF 2:00pm - 2:50pm | Seats (Total: 24)<br>PLS 1176 |
| 4101 | Rachel Elrom<br>MWF 9:00am - 9:50am | Seats (Total: 24)<br>PLS 1184 |
| 4201 | Katherine Kuhn<br>MWF 9:00am - 9:50am | Seats (Total: 24)<br>HBK 1112 |
| 4301 | Jacquelyn Murdock<br>MWF 9:00am - 9:50am | Seats (Total: 24)<br>SYM 0215 |

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|---|---|---|
| 4401 | Jarim Kim<br>MWF 9:00am - 9:50am | Seats (Total: 24)<br>HBK 0108 |
| 4501 | Jarim Kim<br>MWF 8:00am - 8:50am | Seats (Total: 24)<br>HBK 0108 |
| 4601 | Deepa Anagondahalli<br>MW 2:00pm - 3:15pm | Seats (Total: 24)<br>HBK 1112 |
| 4701 | Kelly Daily<br>MW 3:30pm - 4:45pm | Seats (Total: 24)<br>SYM 0209 |
| 4801 | Paula Nadler<br>MW 5:00pm - 6:15pm | Seats (Total: 24)<br>KEY 0126 |
| 4901 | Deepa Anagondahalli<br>MW 3:30pm - 4:45pm | Seats (Total: 24)<br>HBK 1112 |
| 5001 | Jean Vandenbosch<br>MW 5:00pm - 6:15pm | Seats (Total: 24)<br>SYM 0209 |
| 5101 | Elizabeth Gardner<br>TuTh 5:00pm - 6:15pm | Seats (Total: 24)<br>PLS 1184 |
| 5201 | Julia Fraustino<br>TuTh 8:00am - 9:15am | Seats (Total: 24)<br>HBK 0109 |
| 5301 | Steven Cohen<br>TuTh 2:00pm - 3:15pm | Seats (Total: 23)<br>PLS 1111 |
| 5401 | Michael Paquette<br>TuTh 12:30pm - 1:45pm | Seats (Total: 24)<br>HBK 0123 |
| 5501 | Jean Vandenbosch<br>MW 2:00pm - 3:15pm | Seats (Total: 24)<br>SYM 0215 |
| 5601 | Annie Nichols<br>TuTh 2:00pm - 3:15pm | Seats (Total: 24)<br>PLS 1113 |
| 5701 | Julia Fraustino<br>TuTh 11:00am - 12:15pm | Seats (Total: 23)<br>PLS 1176 |

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|---|---|---|
| 5801 | Amanda Kennedy<br>TuTh 9:30am - 10:45am | Seats (Total: 24)<br>HBK 0109 |
| 5901 | Gerry Strumpf<br>TuTh 5:00pm - 6:15pm | Seats (Total: 24)<br>PLS 1180 |
| 6001 | Samuel Rubin<br>TuTh 5:00pm - 6:15pm | Seats (Total: 24)<br>HBK 1108 |
| 6101 | Gerry Strumpf<br>TuTh 3:30pm - 4:45pm | Seats (Total: 24)<br>PLS 1180 |
| 6201 | Jeffrey McKinney<br>TuTh 3:30pm - 4:45pm | Seats (Total: 24)<br>SYM 0209 |
| 6301 | Jeffrey McKinney<br>TuTh 5:00pm - 6:15pm | Seats (Total: 24)<br>SYM 0209 |
| 6401 | Katherine Kuhn<br>MWF 8:00am - 8:50am | Seats (Total: 24)<br>HBK 1112 |
| 6501 | Amanda Kennedy<br>MW 2:00pm - 3:15pm | Seats (Total: 24)<br>EDU 0202 |
| 6601 | Michael Steudeman<br>MW 2:00pm - 3:15pm | Seats (Total: 24)<br>KEY 1117 |
| 6701 | Jacquelyn Murdock<br>MWF 8:00am - 8:50am | Seats (Total: 24)<br>SYM 0215 |
| 6801 | Karen Lamb<br>MWF 8:00am - 8:50am | Seats (Total: 24)<br>PLS 1184 |
| 6901 | Paula Nadler<br>MWF 8:00am - 8:50am | Seats (Total: 24)<br>KEY 1117 |
| 7001 | Karen Lamb<br>MWF 9:00am - 9:50am | Seats (Total: 24)<br>PLS 1146 |
| 7101 | Jeffrey McKinney<br>TuTh 12:30pm - 1:45pm | Seats (Total: 24)<br>PLS 1164 |

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|---|---|---|
| 7201 | Amanda Irions<br>MWF 2:00pm - 2:50pm | Seats (Total: 24)<br>HBK 0123 |

**COMM107M** **Oral Communication: Principles and Practices**

**COMM107M Oral Communication: Principles and Practices; (3 credits)** Grade Method: REG/P-F. GenEd: Fundamental Studies - Oral Communications.
*Credit only granted for: COMM107, COMM200, ENES143, INAG110, JOUR130 or THET285.* A study of and practice in oral communication, including principles of interviewing, group discussion, listening, informative briefings, and persuasive speeches. Restricted to students in the Markets and Society program.

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|---|---|---|
| 1401 | Karen Lamb<br>MWF 1:00pm - 1:50pm | Seats (Total: 14)<br>SYM 0215 |
| 2401 | Lauren Harris<br>MWF 9:00am - 9:50am | Seats (Total: 1)<br>HBK 0105 |
| 2601 | Amanda Kennedy<br>TuTh 12:30pm - 1:45pm | Seats (Total: 21)<br>PLS 1184 |

**COMM200** **Critical Thinking and Speaking**

**COMM200 Critical Thinking and Speaking; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Fundamental Studies - Oral Communications.
*Credit only granted for: COMM107, COMM200, ENES143, INAG110, JOUR130, OR THET285.* Theory and practice of persuasive discourse analysis and composition. Research techniques, logical and rhetorical conceptions of argument, and technical principles for persuading in public venues.

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|---|---|---|
| 0101 | Jessica Lu<br>TuTh 12:30pm - 1:45pm | Seats (Total: 26)<br>PLS 1111 |
| 0201 | Jessica Lu<br>TuTh 2:00pm - 3:15pm | Seats (Total: 24)<br>PLS 1184 |
| 0301 | Yvonne Slosarski<br>MWF 11:00am - 11:50am | Seats (Total: 25)<br>PLS 1115 |

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|---|---|---|
| 0401 | Yvonne Slosarski<br>MWF 10:00am - 10:50am | Seats (Total: 25)<br>PLS 1115 |
| 0601 | Jade Olson<br>TuTh 9:30am - 10:45am | Seats (Total: 25)<br>SQH 1103 |

**COMM230** **Argumentation and Debate**

**COMM230 Argumentation and Debate; (3 credits)** Grade Method: REG/P-F/AUD.
A study of the fundamental principles of reasoning, analysis, and evidence preparation of debate briefs and presentation of standard academic debate.

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|---|---|---|
| 0101 | Jon Hoffman<br>TuTh 8:00am - 9:15am | Seats (Total: 24)<br>PLS 1111 |
| 0201 | Sean Luechtefeld<br>TuTh 12:30pm - 1:45pm | Seats (Total: 24)<br>SQH 1121 |
| 0301 | Sean Luechtefeld<br>TuTh 11:00am - 12:15pm | Seats (Total: 24)<br>SQH 1121 |
| 0401 | Jon Hoffman<br>TuTh 9:30am - 10:45am | Seats (Total: 24)<br>PLS 1113 |

**COMM231** **News Writing and Reporting for Public Relations**

**COMM231** *(PermReq)* **News Writing and Reporting for Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Must be in Communication program; and (sophomore standing; or junior standing). Or permission of ARHU-Communication department. Credit only granted for: JOUR201, JOUR201P, JOUR231, or COMM231. Formerly: JOUR231.*
Introduction to writing and researching news and information media for public relations; laboratory in news-gathering tools and writing techniques for public relations.

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|---|---|---|---|
| 0101 | Richard Toth<br>M 10:00am - 11:50am<br>W 10:00am - 11:50am | Seats (Total: 18)<br>EGR 3140<br>EGR 3140 | <br><br>Lab |

| | | | |
|---|---|---|---|
| 0201 | Richard Toth<br>M 12:00pm - 1:50pm<br>W 12:00pm - 1:50pm | Seats (Total: 18)<br>EGR 3140<br>EGR 3140 | <br><br>Lab |
| 0301 | Richard Toth<br>M 8:00am - 9:50am<br>W 8:00am - 9:50am | Seats (Total: 18)<br>EGR 3140<br>EGR 3140 | <br><br>Lab |

**COMM232** **News Editing for Public Relations**

**COMM232** *(PermReq)* **News Editing for Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in COMM231; or students who have taken courses with comparable content may contact the department. And permission of ARHU-Communication department. Restriction: Must be in Communication program. Credit only granted for: JOUR202, JOUR202P, JOUR232, or COMM232. Formerly: JOUR232.* Copy editing, graphic principles and processes, news and information technologies for public relations.

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|---|---|---|---|
| 0101 | Pamela Grant<br>Tu 1:00pm - 2:15pm<br>Th 1:00pm - 2:15pm | Seats (Total: 18)<br>EGR 3140<br>EGR 3140 | <br><br>Lab |
| 0201 | Pamela Grant<br>Tu 2:30pm - 3:45pm<br>Th 2:30pm - 3:45pm | Seats (Total: 18)<br>EGR 3140<br>EGR 3140 | <br><br>Lab |

**COMM250** **Introduction to Communication Inquiry**

**COMM250 Introduction to Communication Inquiry; (3 credits)** Grade Method: REG/P-F/AUD.
An introduction to the field of communication. Definitions, models, and contexts of communication; rhetorical theory and rhetorical criticism of discourse.

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|---|---|---|---|
| 0101 | Susan Hubbard<br>MW 11:00am - 11:50am<br>F 9:00am - 9:50am | Seats (Total: 25)<br>SKN 0200<br>SKN 1112 | <br><br>Discussion |

| | | | |
|---|---|---|---|
| 0102 | Susan Hubbard<br>MW 11:00am - 11:50am<br>F 10:00am - 10:50am | Seats (Total: 25)<br>SKN 0200<br>SKN 1112 | Discussion |
| 0103 | Susan Hubbard<br>MW 11:00am - 11:50am<br>F 11:00am - 11:50am | Seats (Total: 25)<br>SKN 0200<br>SKN 1112 | Discussion |
| 0104 | Susan Hubbard<br>MW 11:00am - 11:50am<br>F 9:00am - 9:50am | Seats (Total: 25)<br>SKN 0200<br>HBK 0115 | Discussion |
| 0105 | Susan Hubbard<br>MW 11:00am - 11:50am<br>F 10:00am - 10:50am | Seats (Total: 25)<br>SKN 0200<br>HBK 0115 | Discussion |
| 0106 | Susan Hubbard<br>MW 11:00am - 11:50am<br>F 11:00am - 11:50am | Seats (Total: 25)<br>SKN 0200<br>HBK 0115 | Discussion |
| 0107 | Susan Hubbard<br>MW 11:00am - 11:50am<br>F 9:00am - 9:50am | Seats (Total: 25)<br>SKN 0200<br>SQH 1121 | Discussion |
| 0108 | Susan Hubbard<br>MW 11:00am - 11:50am<br>F 10:00am - 10:50am | Seats (Total: 25)<br>SKN 0200<br>SQH 1121 | Discussion |
| 0109 | Susan Hubbard<br>MW 11:00am - 11:50am<br>F 11:00am - 11:50am | Seats (Total: 25)<br>SKN 0200<br>SQH 1121 | Discussion |

**COMM269B** **Special Topics in Study Abroad II; Oral Communication for Leaders in the Business World**
**Contact department for information to register for this course.**

**COMM269M** **Special Topics in Study Abroad II; Media Technology**
**Contact department for information to register for this course.**

**COMM269P** **Special Topics in Study Abroad II; Principles of Film and Media Production**
**Contact department for information to register for this course.**

**COMM269V** **Special Topics in Study Abroad II; Visual Communication: Intercultural Photography**
**Contact department for information to register for this course.**

**COMM288** **Communication Internship**

**COMM288** *(PermReq)* **Communication Internship; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**COMM324** **Communication and Gender**

**COMM324 Communication and Gender; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.
The creation of images of male and female, and masculine and feminine, through communication, the differences in male and female communication behaviors and styles, and the implications of those images and styles for male-female transactions.

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|---|---|---|
| 0101 | Alyssa Samek, Tiffany Lewis<br>TuTh 3:30pm - 4:45pm | Seats (Total: 150)<br>SHM 2102 |
| SG91 | Alyssa Samek<br>TuTh 9:30am - 10:45am<br>*Restricted to COMM students at Shady Grove.* | Seats (Total: 40)<br>BLD3 3226 |

**COMM330** **Argumentation and Public Policy**

**COMM330 Argumentation and Public Policy; (3 credits)** Grade Method: REG/P-F/AUD.
Contemporary theories of argumentation with special emphasis on methods of formulating and critiquing public policy argument.

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|---|---|---|
| 0101 | William Lawson<br>TuTh 12:30pm - 1:45pm | Seats (Total: 50)<br>SKN 0104 |
| SG91 | William Lawson<br>MW 11:00am - 12:15pm<br>*Restricted to COMM students at Shady Grove.* | Seats (Total: 40)<br>BLD3 4206 |

**COMM350** **Public Relations Theory**

**COMM350 Public Relations Theory; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: COMM231 or COMM250. Restriction: Must be in Communication program. Credit only granted for: COMM350 or COMM430.* The historical development and contemporary status of public relations in business, government, associations and other organizations. Application of communication theory and social science methods to the research, planning, communication and evaluation aspects of the public relations process.

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|---|---|---|---|
| 0201 | Sahar Khamis<br>TuTh 12:30pm - 1:45pm | Seats (Total: 35)<br>KEY 0126 | |
| 0301 | Erich Sommerfeldt<br>MW 3:30pm - 4:45pm | Seats (Total: 35)<br>SYM 0215 | |

**COMM351** **Public Relations Techniques**

**COMM351** *(PermReq)* **Public Relations Techniques; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: COMM232 and COMM350. Restriction: Must be in Communication program. Credit only granted for: COMM351 or JOUR331. Formerly: JOUR331.* The techniques of public relations, including news releases, publications and printed materials, audio-visual techniques, speeches and special events. Application of these techniques in laboratory and field projects.

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|---|---|---|---|
| 0101 | Leysan Khakimova<br>M 2:00pm - 3:15pm<br>W 2:00pm - 3:15pm | Seats (Total: 18)<br>EGR 3140<br>EGR 3140 | <br><br>Lab |
| 0201 | Leysan Khakimova<br>M 3:30pm - 4:45pm<br>W 3:30pm - 4:45pm | Seats (Total: 18)<br>EGR 3140<br>EGR 3140 | <br><br>Lab |

**COMM352** **Specialized Writing in Public Relations**

**COMM352** *(PermReq)* **Specialized Writing in Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in COMM351. Restriction: Must be in Communication program. Credit only granted for: COMM352 or JOUR332. Formerly: JOUR332.* Public Relations writing for science, technology, health, medicine, corporate finance, educational policy, law and government in broadcast and technical media, as well as newspapers, magazines, proposals, speeches and correspondence.

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|---|---|---|---|
| 0101 | Michael Paquette<br>Tu 11:00am - 12:15pm<br>Th 11:00am - 12:15pm | Seats (Total: 18)<br>EGR 3140<br>EGR 3140 | <br><br>Lab |
| 0201 | Melissa Janoske<br>Tu 8:00am - 9:15am<br>Th 8:00am - 9:15am | Seats (Total: 18)<br>EGR 3140<br>EGR 3140 | <br><br>Lab |
| 0301 | Melissa Janoske<br>Tu 9:30am - 10:45am<br>Th 9:30am - 10:45am | Seats (Total: 18)<br>EGR 3140<br>EGR 3140 | <br><br>Lab |

**COMM360** **The Rhetoric of Black America**

**COMM360 The Rhetoric of Black America; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
An historical-critical survey of the rhetoric of Black Americans from the colonial period to the present.

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|---|---|---|
| 0101 | William Lawson<br>TuTh 11:00am - 12:15pm | Seats (Total: 60)<br>LEF 2166 |

**COMM370** **Mediated Communication**
**Contact department for information to register for this course.**

**COMM371** **Communication and Digital Media**

**COMM371 Communication and Digital Media; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Must be in Communication program. Credit only granted for: COMM371 or COMM398V. Formerly: COMM398V.* A basic introduction to communication in the digital age. Through class lectures, assignments and projects, students will learn to effectively use new media for the purpose of strategic message creation and management used in the field of communication. Students will apply the basics of visual layout skills and the principles of visual design to create messages using words and images.

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|---|---|---|
| SG91 | Robert Coleman<br>MW 9:00am - 10:45am<br>*Restricted to COMM students at Shady Grove.* | Seats (Total: 25)<br>BLD3 3212 |

**COMM376** **Communication through Advocacy Short Film**

**COMM376 Communication through Advocacy Short Film; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Must be in Communication program.* Explores the theory and practice of contemporary communication and advocacy short form video.

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|---|---|---|
| SG91 | William Lawson<br>MW 12:30pm - 1:45pm<br>*Restricted to COMM students at Shady Grove.* | Seats (Total: 25)<br>BLD3 4206 |

**COMM382** **Essentials of Intercultural Communication**

**COMM382 Essentials of Intercultural Communication; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Cultural Competency. *Credit only granted for: COMM382 or COMM482.* Introduction of major theories and concepts of intercultural communication; examination of processes that make up cultural differences; and use of intercultural communication competence skills.

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|---|---|---|
| 0101 | Deepa Anagondahalli<br>TuTh 5:00pm - 6:15pm | Seats (Total: 50)<br>TYD 2109 |
| 0201 | Deepa Anagondahalli<br>TuTh 3:30pm - 4:45pm | Seats (Total: 50)<br>TYD 2111 |

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|---|---|---|
| BL01 | Meina Liu<br>Th 11:00am - 12:15pm<br>Class time/details on ELMs | Seats (Total: 35)<br>TYD 1132<br>ONLINE |
| BL02 | Meina Liu<br>Th 12:30pm - 1:45pm<br>Class time/details on ELMs | Seats (Total: 35)<br>TYD 2106<br>ONLINE |
| SG92 | Ahnlee Jang<br>W 2:00pm - 4:50pm<br>*Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove. Please email usbiosci@umd.edu for permission.* | Seats (Total: 40)<br>BLD3 2226 |

**COMM386** **Experiential Learning**

**COMM386** *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. GenEd: Distributive Studies - Scholarship in Practice.
*Prerequisite: Permission of ARHU-Communication department. Restriction: Junior standing or higher; and must be in Communication program.* Supervised internship experience with communication professionals. Relation of academic training to professional experience.

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|---|---|---|
| 0101 | Julie Gowin<br>Contact instructor or department for details. | Seats (Total: 60) |
| SG91 | Lindsi Baltz<br>Contact instructor or department for details. | Seats (Total: 20) |

**COMM388** **Communication Practicum**

**COMM388** *(PermReq)* **Communication Practicum; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**COMM398** **Selected Topics in Communication**

**COMM398** *(PermReq)* **Selected Topics in Communication; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**COMM398C** **Selected Topics in Communication; Peer Consulting in Oral Communication**

**COMM398C** *(PermReq)* **Selected Topics in Communication: Peer Consulting in Oral Communication; (3 credits)** Grade Method: REG.
Restricted to majors in Communication. Provides training in the principles and practice of peer consulting in the context of the Oral Communication Center in the Department of Communication. Students will apply and integrate the knowledge and skills acquired in COMM107 (or COMM 200) with new training to help their peers become outstanding listeners and speakers. They will also engage in a group research project designed to extend knowledge in peer consulting best practices.

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|---|---|---|
| 0101 | Rowena Kirby-Straker<br>Tu 5:00pm - 7:30pm | Seats (Total: 20)<br>SKN 2117 |

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**COMM398E** **Selected Topics in Communication; Health Communication**

**COMM398E Selected Topics in Communication: Health Communication; (3 credits)** Grade Method: REG.
For COMM majors only.

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| 0101 | Kelly Daily<br>MW 2:00pm - 3:15pm | Seats (Total: 35)<br>MMH 0108 |

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**COMM398K** **Selected Topics in Communication; Digital Communication and Strategic Message Design**

**COMM398K Selected Topics in Communication: Digital Communication and Strategic Message Design; (3 credits)** Grade Method: REG.

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|---|---|---|
| SG91 | Robert Coleman<br>MW 11:00am - 12:15pm<br>*Restricted to COMM students at Shady Grove.* | Seats (Total: 25)<br>BLD3 3212 |

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**COMM398N** **Selected Topics in Communication; Communication and Digital Imaging**

**COMM398N Selected Topics in Communication: Communication and Digital Imaging; (3 credits)** Grade Method: REG.

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|---|---|---|
| SG91 | Robert Coleman<br>MW 2:00pm - 3:45pm | Seats (Total: 25)<br>BLD3 3212 |

**COMM398O** **Selected Topics in Communication; Digital Media and Democracy**

**COMM398O Selected Topics in Communication: Digital Media and Democracy; (3 credits)** Grade Method: REG.

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|---|---|---|
| 0101 | Jon Hoffman<br>TuTh 12:30pm - 1:45pm | Seats (Total: 100)<br>SQH 1120 |

**COMM398Q** **Selected Topics in Communication; Communication Through Humor**

**COMM398Q Selected Topics in Communication: Communication Through Humor; (3 credits)** Grade Method: REG.

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|---|---|---|
| SG91 | David Payne<br>TuTh 12:30pm - 1:45pm<br>*Restricted to COMM students at Shady Grove.* | Seats (Total: 40)<br>BLD3 3206 |

**COMM398R** **Selected Topics in Communication; Interactive Online Media**
**Contact department for information to register for this course.**

**COMM398Y** **Selected Topics in Communication; Communication in Action**

**COMM398Y Selected Topics in Communication: Communication in Action; (3 credits)** Grade Method: REG.

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|---|---|---|
| SG91 | Frederic Whiting<br>TuTh 3:30pm - 4:45pm<br>*Restricted to COMM students at Shady Grove.* | Seats (Total: 40)<br>BLD3 3240 |

**COMM399** **Honors Thesis**

**COMM399** *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|---|
| 0401 | Edward Fink<br>Contact instructor or department for details. | Seats (Total: 10) | |
| 0601 | Leah Waks<br>Contact instructor or department for details. | Seats (Total: 10) | |
| 4001 | Xiaoli Nan<br>Contact instructor or department for details. | Seats (Total: 10) | |

**COMM400** **Research Methods in Communication**

**COMM400 Research Methods in Communication; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: COMM250; and must have an introductory course in statistics. Restriction: Must be in Communication program.* Philosophy of scientific method; role of theory; research ethics; empirical research methods (measurement, sampling, design, analysis). Attendance on the first day of class is mandatory.

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|---|---|---|---|
| 0101 | Anita Seate<br>MW 2:00pm - 2:50pm<br>F 9:00am - 9:50am | Seats (Total: 20)<br>ASY 2203<br>PLS 1162 | <br><br>Discussion |
| 0102 | Anita Seate<br>MW 2:00pm - 2:50pm<br>F 10:00am - 10:50am | Seats (Total: 20)<br>ASY 2203<br>PLS 1162 | <br><br>Discussion |
| 0103 | Anita Seate<br>MW 2:00pm - 2:50pm<br>F 11:00am - 11:50am | Seats (Total: 20)<br>ASY 2203<br>PLS 1162 | <br><br>Discussion |
| 0104 | Anita Seate<br>MW 2:00pm - 2:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 20)<br>ASY 2203<br>ASY 3219 | <br><br>Discussion |
| 0105 | Anita Seate<br>MW 2:00pm - 2:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 20)<br>ASY 2203<br>ASY 3219 | <br><br>Discussion |
| 0106 | Anita Seate<br>MW 2:00pm - 2:50pm<br>F 2:00pm - 2:50pm | Seats (Total: 20)<br>ASY 2203<br>ASY 3219 | <br><br>Discussion |

| | | | |
|---|---|---|---|
| SG91 | David Payne<br>TuTh 11:00am - 12:15pm<br>*Restricted to COMM students at Shady Grove.* | Seats (Total: 40)<br>BLD3 3206 | |

**COMM401** **Interpreting Strategic Discourse**

**COMM401 Interpreting Strategic Discourse; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: COMM250. Restriction: Must be in Communication program.* Principles and approaches for practical analysis of discourse designed to shape audience opinion.

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|---|---|---|---|
| 0101 | Kristjana Maddux<br>TuTh 2:00pm - 2:50pm<br>W 9:00am - 9:50am | Seats (Total: 18)<br>CHM 1402<br>PLS 1158 | <br><br>Discussion |
| 0102 | Kristjana Maddux<br>TuTh 2:00pm - 2:50pm<br>W 10:00am - 10:50am | Seats (Total: 20)<br>CHM 1402<br>PLS 1158 | <br><br>Discussion |
| 0103 | Kristjana Maddux<br>TuTh 2:00pm - 2:50pm<br>W 11:00am - 11:50am | Seats (Total: 20)<br>CHM 1402<br>PLS 1158 | <br><br>Discussion |
| 0104 | Kristjana Maddux<br>TuTh 2:00pm - 2:50pm<br>W 9:00am - 9:50am | Seats (Total: 20)<br>CHM 1402<br>PLS 1172 | <br><br>Discussion |
| 0105 | Kristjana Maddux<br>TuTh 2:00pm - 2:50pm<br>W 10:00am - 10:50am | Seats (Total: 20)<br>CHM 1402<br>PLS 1172 | <br><br>Discussion |
| 0106 | Kristjana Maddux<br>TuTh 2:00pm - 2:50pm<br>W 11:00am - 11:50am | Seats (Total: 20)<br>CHM 1402<br>PLS 1172 | <br><br>Discussion |

**COMM402** **Communication Theory and Process**

**COMM402 Communication Theory and Process; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: COMM250. Restriction: Must be in Communication program.*
Philosophical and conceptual analysis of communication theories.

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|---|---|---|---|
| 0101 | Dale Hample<br>MW 12:00pm - 12:50pm<br>M 9:00am - 9:50am | Seats (Total: 20)<br>ASY 2203<br>PLS 1162 | Discussion |
| 0102 | Dale Hample<br>MW 12:00pm - 12:50pm<br>M 10:00am - 10:50am | Seats (Total: 20)<br>ASY 2203<br>PLS 1162 | Discussion |
| 0103 | Dale Hample<br>MW 12:00pm - 12:50pm<br>M 11:00am - 11:50am | Seats (Total: 20)<br>ASY 2203<br>PLS 1162 | Discussion |
| 0104 | Dale Hample<br>MW 12:00pm - 12:50pm<br>M 9:00am - 9:50am | Seats (Total: 20)<br>ASY 2203<br>EDU 0206 | Discussion |
| 0105 | Dale Hample<br>MW 12:00pm - 12:50pm<br>M 10:00am - 10:50am | Seats (Total: 20)<br>ASY 2203<br>EDU 0206 | Discussion |
| 0106 | Dale Hample<br>MW 12:00pm - 12:50pm<br>M 11:00am - 11:50am | Seats (Total: 20)<br>ASY 2203<br>EDU 0206 | Discussion |

**COMM422** **Communication Management**

**COMM422 Communication Management; (3 credits)** Grade Method: REG/P-F/AUD.
Communication policies, plans, channels, and practices in the management of the communication function in organizations.

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| 0101 | Andrew Wolvin<br>TuTh 11:00am - 12:15pm | Seats (Total: 35)<br>SKN 0104 | |

**COMM424** **Communication in Complex Organizations**

**COMM424 Communication in Complex Organizations; (3 credits)** Grade Method: REG/P-F/AUD.
Structure and function of communication within organizations: organizational climate and culture, information flow, networks and role relationships.

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| SG91 | Judith Tenney<br>TuTh 2:00pm - 3:15pm<br>*Restricted to COMM students at Shady Grove.* | Seats (Total: 40)<br>BLD3 3226 |

**COMM425** **Negotiation and Conflict Management**

**COMM425 Negotiation and Conflict Management; (3 credits)** Grade Method: REG/P-F/AUD.
Role of communication in shaping negotiation and conflict processes and outcomes.

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| 0301 | Lauren Edelstein<br>TuTh 2:00pm - 3:15pm | Seats (Total: 50)<br>KEY 0102 |

**COMM426** **Conflict Management**

**COMM426 Conflict Management; (3 credits)** Grade Method: REG/P-F/AUD.
*Recommended: COMM425; and COMM250; and COMM402.* Role of communication in managing conflict processes.

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| 0101 | Lauren Edelstein<br>TuTh 3:30pm - 4:45pm | Seats (Total: 50)<br>KEY 0102 |

**COMM427** **Crisis Communication**

**COMM427 Crisis Communication; (3 credits)** Grade Method: REG/P-F/AUD.
*Credit only granted for: COMM398C or COMM427. Formerly: COMM398C.* Explores theories and research related to communication before, during, and after a crisis. Students examine the fundamentals of organizational communication, crisis management, and strategic and crisis communication planning before examining case studies of a number of real-life crises: organizational crises, natural disasters, accidents, terrorism incidents, health crises, and major crises of credibility.

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| 0101 | Rowena Briones<br>TuTh 12:30pm - 1:45pm | Seats (Total: 35)<br>TYD 2111 |

**COMM435** **Theories of Interpersonal Communication**

**COMM435 Theories of Interpersonal Communication; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: COMM400; or permission of ARHU-Communication department.* Major theoretical approaches and research trends in the study of interpersonal communication.

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| 0101 | Dale Hample<br>MW 3:30pm - 4:45pm | Seats (Total: 35)<br>HJP 1125 |
| SG91 | Judith Tenney<br>TuTh 11:00am - 12:15pm<br>*Restricted to COMM students at Shady Grove.* | Seats (Total: 40)<br>BLD3 3226 |

**COMM455** **Speechwriting**

**COMM455 Speechwriting; (3 credits)** Grade Method: REG/P-F/AUD.
The study of message strategies in order to research and develop effective speech texts appropriate to speakers and their audiences in various public contexts.

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| 0101 | Steven Cohen<br>TuTh 5:00pm - 6:15pm | Seats (Total: 30)<br>KEY 0126 |

**COMM461** **Voices of Public Leadership in the Twentieth Century**

**COMM461 Voices of Public Leadership in the Twentieth Century; (3 credits)** Grade Method: REG/P-F/AUD.
Study of the use of speaking in the power struggles of the twentieth century. Focus is on important speakers of the century, their social and policy influence, and the struggle to expand the diversity of voices with power in the public sphere.

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| 0101 | James Klumpp<br>TuTh 9:30am - 10:45am | Seats (Total: 35)<br>TYD 1118 |

**COMM468M** **Seminar in Mediated Communication; Marginalized Social Groups and the Media**

**COMM468M Seminar in Mediated Communication: Marginalized Social Groups and the Media; (3 credits)** Grade Method: REG/P-F/AUD.
This course will familiarize you with major topics in the study of marginalized social groups and the media. In particular, this class will emphasize (but will not be limited to) the largest marginalized social groups in the U.S., including African Americans, Latino Americans, Asian Americans, women, older adults, and gays and lesbians. We will address the evolution of media images of these groups in film, television, news, and advertising, including discussions on the social conditions leading to shifts in these portrayals. Additionally, we will examine the implications of these messages both social scientific and critical perspectives. We will also investige trends in employment of minorities in the media industry.

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| 0101 | Anita Seate<br>MW 5:00pm - 6:15pm | Seats (Total: 35)<br>KEY 0125 |

**COMM470** **Listening**

**COMM470 Listening; (3 credits)** Grade Method: REG/P-F/AUD.
The principles of listening behavior.

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| 0101 | Andrew Wolvin<br>TuTh 9:30am - 10:45am | Seats (Total: 35)<br>SKN 0104 |

**COMM475** **Persuasion**

**COMM475 Persuasion; (3 credits)** Grade Method: REG/P-F/AUD.
Bases of persuasion, with emphasis on recent experimental developments in persuasion.

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| 0101 | Edward Fink<br>TuTh 2:00pm - 3:15pm | Seats (Total: 35)<br>LEF 2166 |
| 0201 | Susan Hubbard<br>MW 12:30pm - 1:45pm | Seats (Total: 50)<br>KEY 0103 |

**COMM478** **Communication Colloquium**

**COMM478 Communication Colloquium; (1 credit)** Grade Method: REG.

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| 0101 | Anita Seate<br>F 12:00pm - 1:30pm | Seats (Total: 40)<br>SKN 0200 |

**COMM483** **Senior Seminar in Public Relations**

**COMM483** *(PermReq)* **Senior Seminar in Public Relations; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: COMM351 and COMM400. Credit only granted for: COMM483 or JOUR483. Formerly: JOUR483.* Integration of theory, techniques and research methods into the planning and execution of public relations campaigns for specific organizations. Analysis of research on the case studies of public relations. Restricted to majors in Communitcation

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|---|---|---|
| 0101 | Susan Simon<br>TuTh 12:30pm - 1:45pm | Seats (Total: 20)<br>HBK 1108 |
| 0201 | Susan Simon<br>TuTh 3:30pm - 4:45pm | Seats (Total: 20)<br>PLS 1162 |
| 0401 | Susan Simon<br>TuTh 9:30am - 10:45am | Seats (Total: 20)<br>TYD 1114 |

**COMM489** **Topical Research**

**COMM489** *(PermReq)* **Topical Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**COMM498B** **Seminar; Bateman Competition**

**COMM498B** *(PermReq)* **Seminar: Bateman Competition; (3 credits)** Grade Method: REG/P-F/AUD.

| | | |
|---|---|---|
| 0101 | Susan Simon<br>Contact instructor or department for details. | Seats (Total: 20) |

**COMM498C** **Seminar; Humor, Cognition, and Interaction**

**COMM498C Seminar: Humor, Cognition, and Interaction; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to majors in Communications.

| | | |
|---|---|---|
| 0101 | Edward Fink | Seats (Total: 35) |
| | MW 3:30pm - 4:45pm | TYD 1118 |

**COMM498E** **Seminar; Media Campaigns in Israel**

**COMM498E** *(PermReq)* **Seminar: Media Campaigns in Israel; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as COMM698E, ISRL618A, and ISRL448E. Credit will be granted for only one of the following: COMM498E, COMM698E, ISRL448E, or ISRL618A. Lectures on political communication concepts, theories, and Israeli media campaigns, along with one-on-one meetings on selected research topic readings, and student presentations on research findings and class feedback.

| | | |
|---|---|---|
| 0101 | Sam Lehman-Wilzig | Seats (Total: 15) |
| | W 3:30pm - 6:00pm | JMZ 2117 |

**COMM630** **Seminar in Public Relations Management**

**COMM630 Seminar in Public Relations Management; (3 credits)** Grade Method: REG/AUD.
*Credit only granted for: COMM630 or JOUR630. Formerly: JOUR630.* Relationship of public relations management to organizational structure and communication functions. Objectives, planning, staffing, budgeting, administering, and evaluation of public relations programs.

| | | |
|---|---|---|
| 0101 | Elizabeth Toth | Seats (Total: 15) |
| | W 3:30pm - 6:30pm | SKN 2127 |

**COMM633** **Global Public Relations**

**COMM633 Global Public Relations; (3 credits)** Grade Method: REG/AUD.
*Credit only granted for: COMM633 or JOUR633. Formerly: JOUR633.* Application of principles of public relations to countries or regions with different cultures, political systems, economic systems, levels of development, media systems, and levels of activism.

| | | |
|---|---|---|
| 0101 | Erich Sommerfeldt<br>W 6:30pm - 9:30pm | Seats (Total: 15)<br>SKN 2127 |

**COMM688** **Communication Field Experience**

**COMM688** *(PermReq)* **Communication Field Experience; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**COMM698** **Special Problems in Communication**

**COMM698** *(PermReq)* **Special Problems in Communication; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**COMM698E** **Special Problems in Communication; Media Campaigns in Israel**

**COMM698E Special Problems in Communication: Media Campaigns in Israel; (3 credits)** Grade Method: REG/AUD.
Also offered as COMM498E, ISRL448E, and ISRL618A. Credit will be granted for only one of the following: COMM498E, COMM698E, ISRL448E, or ISRL618A. Lectures on political communication concepts, theories, and Israeli media campaigns, along with one-on-one meetings on selected research topic readings, and student presentations on research findings and class feedback.

| | | |
|---|---|---|
| 0101 | Sam Lehman-Wilzig<br>W 3:30pm - 6:00pm | Seats (Total: 15)<br>JMZ 2117 |

**COMM698F** **Special Problems in Communication; Feminist, Gender and Queer Theories in Communication**

**COMM698F Special Problems in Communication: Feminist, Gender and Queer Theories in Communication; (3 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Kristjana Maddux<br>Tu 3:30pm - 6:30pm | Seats (Total: 15)<br>SKN 2127 |

**COMM715** **Advanced Qualitative Methods in Communication Research**

**COMM715 Advanced Qualitative Methods in Communication Research; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: COMM714; or students who have taken courses with comparable content may contact the department.* Advanced data analysis of qualitative data in Communication research. In-field research and techniques for analysis of data from in-field work.

| | | |
|---|---|---|
| 0101 | Sahar Khamis | Seats (Total: 15) |
| | Th 3:30pm - 6:30pm | SKN 2127 |

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**COMM730** **Seminar in Health Communication**

**COMM730 Seminar in Health Communication; (3 credits)** Grade Method: REG/AUD.
*Formerly: SPCH730.* Communication processes in health care and promotion.

| | | |
|---|---|---|
| 0101 | Xiaoli Nan | Seats (Total: 15) |
| | Th 1:00pm - 4:00pm | SKN 3117 |

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**COMM758B** **Seminar in Rhetorical Theory; Burke**

**COMM758B Seminar in Rhetorical Theory: Burke; (3 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | James Klumpp | Seats (Total: 15) |
| | M 3:30pm - 6:30pm | SKN 3117 |

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**COMM798** **Independent Study**

**COMM798** *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**COMM799** **Master's Thesis Research**

**COMM799** *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**COMM888** **Doctoral Practicum in Communication**

**COMM888** *(PermReq)* **Doctoral Practicum in Communication; (3-9 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**COMM889** **Doctoral Tutorial in Communication**

**COMM889** *(PermReq)* **Doctoral Tutorial in Communication; (3-9 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**COMM898** **Pre-Candidacy Research**

**COMM898** *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**COMM899** **Doctoral Dissertation Research**

**COMM899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# CONS Sustainable Development & Conservation Biology Spring 2013

**CONS609I** **Special Topics in Conservation Biology; Internship**

**CONS609I Special Topics in Conservation Biology: Internship; (1 credit)** Grade Method: S-F.

| | | |
|---|---|---|
| 0101 | Karen Lips | Seats (Total: 20) |
| | Contact instructor or department for details. | |

**CONS680** **Problem Solving in Conservation/Development**

**CONS680 Problem Solving in Conservation/Development; (4 credits)** Grade Method: REG/AUD.
Students will be exposed to current problems in conservation and development through great lectures, field trips, interviews and appropriate literature. Working in teams, students will formulate recommendations based on a synthesis of biological, economic and policy considerations.

| | | |
|---|---|---|
| 0101 | Karen Lips | Seats (Total: 24) |
| | MW 1:00pm - 4:00pm | HJP 1213C |

**CONS798** **Research Papers in Sustainable Development and Conservation Biology**

**CONS798 Research Papers in Sustainable Development and Conservation Biology; (1-4 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# CPSP College Park Scholars Program Spring 2013

**CPSP118G** **College Park Scholars First-Year Colloquium I**
**Contact department for information to register for this course.**

**CPSP119A** **College Park Scholars First-Year Colloquium II**

**CPSP119A College Park Scholars First-Year Colloquium II; (1-2 credits)** Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Arts. Workshops will be negotiated during the first week of class.

| | | |
|---|---|---|
| 0101 | Harold Burgess | Seats (Total: 80) |
| | M 6:00pm - 8:00pm | CCC 1100 |

**CPSP119D** **College Park Scholars First-Year Colloquium II**

**CPSP119D College Park Scholars First-Year Colloquium II; (1 credit)** Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Science, Discovery and the Universe.

| | | |
|---|---|---|
| 0101 | Paul Romani | Seats (Total: 45) |
| | Th 4:00pm - 5:20pm | CCC 1205 |

| | | | |
|---|---|---|---|
| 0102 | Alan Peel<br>Th 4:00pm - 5:20pm | Seats (Total: 45)<br>CSS 2428 | |

**CPSP119E** **College Park Scholars First-Year Colloquium II**

**CPSP119E College Park Scholars First-Year Colloquium II; (1 credit)** Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Environment, Technology and Economy. Each week we will meet in plenary OR section NOT both. The first week will be in plenary.

| | | | |
|---|---|---|---|
| 0101 | Becky Archer<br>Th 4:00pm - 5:15pm<br>W 4:00pm - 4:50pm | Seats (Total: 22)<br>CCC 1100<br>CCC 1111 | Discussion |
| 0102 | Becky Archer<br>Th 4:00pm - 5:15pm<br>W 5:00pm - 5:50pm | Seats (Total: 22)<br>CCC 1100<br>CCC 1111 | Discussion |
| 0103 | Becky Archer<br>Th 4:00pm - 5:15pm<br>Th 4:00pm - 4:50pm | Seats (Total: 22)<br>CCC 1100<br>CCC 1111 | Discussion |
| 0104 | Becky Archer<br>Th 4:00pm - 5:15pm<br>Th 5:00pm - 5:50pm | Seats (Total: 22)<br>CCC 1100<br>CCC 1111 | Discussion |

**CPSP119F** **College Park Scholars First-Year Colloquium II**

**CPSP119F College Park Scholars First-Year Colloquium II; (1 credit)** Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Global Public Health.

| | | | |
|---|---|---|---|
| 0101 | Muhiuddin Haider, Krishna Bhagat, Greg Raspanti<br>Tu 4:00pm - 5:30pm | Seats (Total: 80)<br>CCC 1205 | |

**CPSP119G** **College Park Scholars First-Year Colloquium II**

**CPSP119G College Park Scholars First-Year Colloquium II; (1 credit)** Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Science and Global Change.

| | | |
|---|---|---|
| 0101 | Thomas Holtz<br>Tu 3:30pm - 4:50pm | Seats (Total: 80)<br>CCC 1100 |

**CPSP119L** **College Park Scholars First-Year Colloquium II**

**CPSP119L College Park Scholars First-Year Colloquium II; (2 credits)** Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Life Sciences.

| | | |
|---|---|---|
| 0101 | Reid Compton<br>W 3:30pm - 5:30pm | Seats (Total: 100)<br>PLS 1140 |

**CPSP119N** **College Park Scholars First-Year Colloquium II**

**CPSP119N College Park Scholars First-Year Colloquium II; (1 credit)** Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.
Restricted to College Park Scholars-International Studies.

| | | |
|---|---|---|
| 0101 | James Glass<br>Tu 2:00pm - 3:15pm | Seats (Total: 20)<br>CCC 1100 |
| 0102 | James Glass<br>Tu 2:00pm - 3:15pm | Seats (Total: 20)<br>CBD 1140 |
| 0103 | James Glass<br>Tu 2:00pm - 3:15pm | Seats (Total: 20)<br>CCC 1115 |
| 0104 | James Glass<br>Tu 2:00pm - 3:15pm | Seats (Total: 20)<br>CCC 1200 |
| 0105 | James Glass<br>Tu 2:00pm - 3:15pm | Seats (Total: 20)<br>CCC 1111 |

**CPSP119P** **College Park Scholars First-Year Colloquium II**

**CPSP119P College Park Scholars First-Year Colloquium II; (2 credits)** Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Public Leadership.

| | | |
|---|---|---|
| 0101 | Kenyatta Crenshaw<br>Tu 2:00pm - 3:15pm<br>Contact instructor or department for details. | Seats (Total: 35)<br>CCC 1205 |
| 0201 | Kenyatta Crenshaw<br>Tu 3:30pm - 4:45pm<br>Contact instructor or department for details. | Seats (Total: 30)<br>CCC 1111 |
| 0301 | Kenyatta Crenshaw<br>W 2:00pm - 3:15pm<br>Contact instructor or department for details. | Seats (Total: 27)<br>TLF 1126 |

**CPSP119T** **College Park Scholars First-Year Colloquium II**

**CPSP119T College Park Scholars First-Year Colloquium II; (1 credit)** Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Science, Technology and Society.

| | | |
|---|---|---|
| 0101 | Matthew Aruch, Frederic Katz, Betsy Mendelsohn<br>M 3:30pm - 4:50pm | Seats (Total: 75)<br>CCC 1205 |

**CPSP219A** **College Park Scholars Second-Year Colloquium II**

**CPSP219A College Park Scholars Second-Year Colloquium II; (1-2 credits)** Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars Arts students. Workshops will be negotiated during the first week of class.

| | | |
|---|---|---|
| 0101 | Harold Burgess<br>Tu 6:00pm - 8:00pm | Seats (Total: 75)<br>CCC 1205 |

**CPSP219L** **College Park Scholars Second-Year Colloquium II**

**CPSP219L College Park Scholars Second-Year Colloquium II; (1 credit)** Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Life Sciences.

| | | |
|---|---|---|
| 0101 | Reid Compton<br>Th 4:00pm - 6:00pm | Seats (Total: 25)<br>PLS 1146 |
| 0201 | Michael Ma<br>Tu 4:00pm - 6:00pm | Seats (Total: 25)<br>PLS 1115 |
| 0301 | Edgar Moctezuma<br>Th 4:00pm - 6:00pm | Seats (Total: 25)<br>PLS 1115 |
| 0401 | Reid Compton<br>Tu 4:00pm - 6:00pm | Seats (Total: 25)<br>PLS 1172 |

**CPSP222** **Analyzing Media Practice through Theory**

**CPSP222 Analyzing Media Practice through Theory; (3 credits)** Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series. *Prerequisite: CPSP118. Restriction: Must be in the Scholars Media, Self and Society Program.* Media analysis investigating patterns of ownership, the working of media organizations, patterns of coverage and the nature of audiences. Restricted to College Park Scholars (CPMS).

| | | |
|---|---|---|
| 0101 | Kalyani Chadha<br>TuTh 12:30pm - 1:45pm | Seats (Total: 80)<br>CCC 1205 |

**CPSP227** **College Park Scholars Capstone: Science, Technology, and Society**

**CPSP227 College Park Scholars Capstone: Science, Technology, and Society; (3 credits)** Grade Method: REG. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
*Prerequisite: Must have completed an [SB] CORE course. Restriction: Must be in the College Park Scholars Program.* Exploration and understanding of ways science and technology shape and are shaped by society. Open to students registered to earn the University Certificate Program in Science, Technology, and Society.

| | | |
|---|---|---|
| 0101 | Frederic Katz<br>TuTh 9:30am - 10:45am | Seats (Total: 20)<br>CCC 1105 |
| 0201 | David Tomblin<br>TuTh 12:30pm - 1:45pm | Seats (Total: 20)<br>CCC 1105 |

**CPSP239A** **Practicum: Internship; Arts**

**CPSP239A Practicum: Internship: Arts; (1-3 credits)** Grade Method: REG. Restricted to College Park Scholars - Arts.

| | | |
|---|---|---|
| 0101 | Harold Burgess | Seats (Total: 80) |
| | Tu 6:00pm - 8:00pm | CCC 1100 |

**CPSP239B** **Practicum: Internship**

**CPSP239B Practicum: Internship; (1-3 credits)** Grade Method: REG/P-F/AUD. Restricted to College Park Scholars-Business, Society and the Economy..

| | | |
|---|---|---|
| 0101 | Mark Wellman | Seats (Total: 45) |
| | Contact instructor or department for details. | |

**CPSP239D** **Practicum: Internship**

**CPSP239D Practicum: Internship; (1-3 credits)** Grade Method: REG. Restricted to College Park Scholars - Science, Discovery, and the Universe.

| | | |
|---|---|---|
| 0101 | Neal Miller | Seats (Total: 60) |
| | W 4:30pm - 5:50pm | CCC 1100 |

**CPSP239E** **Practicum: Internship**

**CPSP239E Practicum: Internship; (1-3 credits)** Grade Method: REG. Restricted to College Park Scholars - Environment, Technology and Economy. Enrolled students are required to participate in the College Park Scholars Academic Showcase from 4 p.m. to 6 p.m. on Friday, May 3, 2013.

| | | |
|---|---|---|
| 0101 | Elizabeth Gillan | Seats (Total: 40) |
| | M 5:00pm - 6:15pm | CCC 1205 |

**CPSP239F** **Practicum: Internship**

**CPSP239F Practicum: Internship; (1-3 credits)** Grade Method: REG/P-F/AUD. Restricted to College Park Scholars-Global Public Health. The first class meeting will be held on January 28th and the class will be scheduled to meet at least 6 times during the semester. These meetings will be announced during the first session. Every student will be expected to participate in the Scholar's Academic Showcase held on May 3rd from 4-6 pm.

| | | |
|---|---|---|
| 0101 | Elisabeth Maring, Colleen Farmer, Muhiuddin Haider | Seats (Total: 50) |
| | M 4:00pm - 5:15pm | CCC 1100 |

**CPSP239G** **Practicum: Internship**

**CPSP239G Practicum: Internship; (1-3 credits)** Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
Restricted to College Park Scholars - Science and Global Change.

| | | |
|---|---|---|
| 0101 | Thomas Holtz | Seats (Total: 75) |
| | Contact instructor or department for details. | |

**CPSP239J** **Practicum: Internship**

**CPSP239J Practicum: Internship; (1-3 credits)** Grade Method: REG.
Restricted to College Park Scholars - Media, Self, and Society.

| | | |
|---|---|---|
| 0101 | Kalyani Chadha | Seats (Total: 75) |
| | Contact instructor or department for details. | |

**CPSP239L** **Practicum: Internship**
**Contact department for information to register for this course.**

**CPSP239N** **Practicum: Internship**

**CPSP239N Practicum: Internship; (3 credits)** Grade Method: REG.
Restricted to College Park Scholars - International Studies.

| | | |
|---|---|---|
| 0101 | James Glass | Seats (Total: 40) |
| | Contact instructor or department for details. | |
| | Contact instructor or department for details. | |

**CPSP239P** **Practicum: Internship**

**CPSP239P Practicum: Internship; (1-3 credits)** Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Public Leadership.

| | | |
|---|---|---|
| 0101 | Jennifer Littlefield, Nina Harris | Seats (Total: 30) |
| | Contact instructor or department for details. | |

**CPSP239T** **Practicum: Internship**

**CPSP239T Practicum: Internship; (1 credit)** Grade Method: REG.
Restricted to College Park Scholars - Science, Technology, and Society.

| | | |
|---|---|---|
| 0101 | Betsy Mendelsohn | Seats (Total: 20) |
| | Th 3:40pm - 5:00pm | CCC 1105 |

**CPSP249A** **Practicum: Service-Learning**

**CPSP249A Practicum: Service-Learning; (2 credits)** Grade Method: REG.
Restricted to College Park Scholars - Arts.

| | | |
|---|---|---|
| 0101 | Harold Burgess | Seats (Total: 14) |
| | W 5:00pm - 7:00pm | CCC 1105 |

**CPSP249B** **Practicum: Service-Learning**

**CPSP249B Practicum: Service-Learning; (1-3 credits)** Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Business, Society and the Economy.

| | | |
|---|---|---|
| 0101 | Mark Wellman | Seats (Total: 25) |
| | Contact instructor or department for details. | |

**CPSP249D** **Practicum: Service-Learning**

**CPSP249D Practicum: Service-Learning; (1-3 credits)** Grade Method: REG.
Restricted to College Park Scholars - Science, Discovery, and the Universe.

| | | |
|---|---|---|
| 0101 | Neal Miller | Seats (Total: 35) |
| | W 4:30pm - 5:50pm | CCC 1100 |

**CPSP249E** **Practicum: Service-Learning**

**CPSP249E Practicum: Service-Learning; (1-3 credits)** Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars - Environment, Technology and Economy. Enrolled students are required to participate in the College Park Scholars Academic Showcase from 4 p.m. to 6 p.m. on Friday, May 3, 2013.

| | | |
|---|---|---|
| 0101 | Elizabeth Gillan | Seats (Total: 30) |
| | M 5:00pm - 6:15pm | CCC 1205 |

**CPSP249F** **Practicum: Service-Learning**

**CPSP249F Practicum: Service-Learning; (1-3 credits)** Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars-Global Public Health. The first class meeting will be held on January 28th and the class will be scheduled to meet at least 6 times during the semester. These meetings will be announced during the first session. Every student will be expected to participate in the Scholar's Academic Showcase held on May 3rd from 4-6 pm.

| | | |
|---|---|---|
| 0101 | Muhiuddin Haider, Colleen Farmer, Elisabeth Maring | Seats (Total: 50) |
| | M 4:00pm - 5:15pm | CCC 1100 |

**CPSP249G** **Practicum: Service-Learning**

**CPSP249G Practicum: Service-Learning; (1-3 credits)** Grade Method: REG.
Restricted to College Park Scholars - Science and Global Change.

| | | |
|---|---|---|
| 0101 | Thomas Holtz | Seats (Total: 25) |
| | Contact instructor or department for details. | |

**CPSP249J** **Practicum: Service-Learning**

**CPSP249J Practicum: Service-Learning; (1 credit)** Grade Method: REG.
Restricted to College Park Scholars - Media, Self, and Society.

| | | |
|---|---|---|
| 0101 | Kalyani Chadha | Seats (Total: 25) |
| | Contact instructor or department for details. | |

**CPSP249L** **Practicum: Service-Learning**

**CPSP249L Practicum: Service-Learning; (2 credits)** Grade Method: REG.
Restricted to College Park Scholars - Life Sciences.

| | | |
|---|---|---|
| 0101 | Reid Compton | Seats (Total: 25) |
| | Contact instructor or department for details. | |

**CPSP249N** **Practicum: Service-Learning; International Studies**

**CPSP249N Practicum: Service-Learning: International Studies; (3 credits)** Grade Method: REG.
Restricted to College Park Scholars - International Studies

| | | |
|---|---|---|
| 0101 | James Glass | Seats (Total: 15) |
| | Contact instructor or department for details. | |
| | Contact instructor or department for details. | |

**CPSP249P** **Practicum: Service-Learning**
**Contact department for information to register for this course.**

**CPSP249T** **Practicum: Service-Learning**

**CPSP249T Practicum: Service-Learning; (1 credit)** Grade Method: REG.
Restricted to College Park Scholars-Science, Technology and Society.

| | | |
|---|---|---|
| 0101 | Frederic Katz | Seats (Total: 12) |
| | W 3:30pm - 4:50pm | PAC 1108 |
| 0201 | Matthew Aruch, Betsy Mendelsohn | Seats (Total: 14) |
| | Th 3:30pm - 5:00pm | CBD 1114 |
| | Contact instructor or department for details. | |
| | *Enrollment is open to all College Park Scholars. Students in this service-learning practicum will visit and assist afterschool robotics clubs using Lego Mindstorm, Vex and/ or other robotics platforms at nearby Prince Georges County schools.* | |

**CPSP259A** **Practicum: Research**
**Contact department for information to register for this course.**

**CPSP259B** **Practicum: Research**

**CPSP259B Practicum: Research; (1-3 credits)** Grade Method: REG/P-F/AUD.
GenEd: Distributive Studies - Scholarship in Practice.
Restricted to College Park Scholars-Business, Society and the Economy.

| | | |
|---|---|---|
| 0101 | Mark Wellman | Seats (Total: 15) |
| | Contact instructor or department for details. | |

**CPSP259E** **Practicum: Research**

**CPSP259E Practicum: Research; (1-3 credits)** Grade Method: REG/P-F/AUD.
GenEd: Distributive Studies - Scholarship in Practice.
Restricted to College Park Scholars - Environment, Technology and Economy.
Enrolled students are required to participate in the College Park Scholars Academic Showcase from 4 p.m. to 6 p.m. on Friday, May 3, 2013.

| | | |
|---|---|---|
| 0101 | Elizabeth Gillan | Seats (Total: 15) |
| | M 5:00pm - 6:15pm | CCC 1205 |

**CPSP259F** **Practicum: Research**

**CPSP259F Practicum: Research; (1-3 credits)** Grade Method: REG/P-F/AUD.
GenEd: Distributive Studies - Scholarship in Practice.
Restricted to College Park Scholars-Global Public Health. The first class meeting will be held on January 28th and the class will be scheduled to meet at least 6 times during the semester. These meetings will be announced during the first session. Every student will be expected to participate in the Scholar's Academic Showcase held on May 3rd from 4-6 pm.

| | | |
|---|---|---|
| 0101 | Colleen Farmer, Muhiuddin Haider, Elisabeth Maring | Seats (Total: 20) |
| | M 4:00pm - 5:15pm | CCC 1100 |

**CPSP259G** **Practicum: Research; Science and Global Change**

**CPSP259G Practicum: Research: Science and Global Change; (1-3 credits)**
Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Restricted to College Park Scholars-Science and Global Change.

| | | |
|---|---|---|
| 0101 | Thomas Holtz | Seats (Total: 20) |
| | Contact instructor or department for details. | |

**CPSP259J** **Practicum: Research**

**CPSP259J Practicum: Research; (1-3 credits)** Grade Method: REG/P-F/AUD.
GenEd: Distributive Studies - Scholarship in Practice.
Restricted to College Park Scholars-Media, Self and Society.

| | | |
|---|---|---|
| 0101 | Kalyani Chadha | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**CPSP259L** **Practicum: Research**

**CPSP259L Practicum: Research; (1-3 credits)** Grade Method: REG/P-F/AUD.
GenEd: Distributive Studies - Scholarship in Practice.
Restricted to College Park Scholars-Life Sciences.

| | | |
|---|---|---|
| 0101 | Reid Compton | Seats (Total: 20) |
| | Contact instructor or department for details. | |

**CPSP259N** **Practicum: Research**

**CPSP259N Practicum: Research; (3 credits)** Grade Method: REG/P-F/AUD.
GenEd: Distributive Studies - Scholarship in Practice.
Restricted to College Park Scholars-International Studies.

| | | |
|---|---|---|
| 0101 | James Glass | Seats (Total: 25) |
| | Contact instructor or department for details. | |

**CPSP259P** **Practicum: Research**

**CPSP259P Practicum: Research; (1-3 credits)** Grade Method: REG/P-F/AUD.
GenEd: Distributive Studies - Scholarship in Practice.
Restricted to College Park Scholars-Public Leadership.

| | | |
|---|---|---|
| 0101 | Jennifer Littlefield, Nina Harris | Seats (Total: 20) |
| | Contact instructor or department for details. | |

**CPSP269A** **Practicum: Peer Teaching**

**CPSP269A Practicum: Peer Teaching; (1-3 credits)** Grade Method: REG/P-F/AUD.
GenEd: Distributive Studies - Scholarship in Practice.

| | | |
|---|---|---|
| 0101 | Harold Burgess<br>Contact instructor or department for details. | Seats (Total: 10) |
| 0201 | Harold Burgess<br>Contact instructor or department for details. | Seats (Total: 10) |
| 0301 | Harold Burgess<br>Contact instructor or department for details. | Seats (Total: 10) |

**CPSP269B** **Practicum: Peer Teaching**
**Contact department for information to register for this course.**

**CPSP269D** **Practicum: Peer Teaching**
**Contact department for information to register for this course.**

**CPSP269E** **Practicum: Peer Teaching**
**Contact department for information to register for this course.**

**CPSP269F** **Practicum: Peer Teaching**
**Contact department for information to register for this course.**

**CPSP269G** **Practicum: Peer Teaching**
**Contact department for information to register for this course.**

**CPSP269J** **Practicum: Peer Teaching**
**Contact department for information to register for this course.**

**CPSP269L** **Practicum: Peer Teaching**
**Contact department for information to register for this course.**

**CPSP269N** **Practicum: Peer Teaching**
**Contact department for information to register for this course.**

**CPSP269P** **Practicum: Peer Teaching**
**Contact department for information to register for this course.**

**CPSP269T** **Practicum: Peer Teaching**

**CPSP269T Practicum: Peer Teaching; (1 credit)** Grade Method: REG/P-F/AUD.

| | | |
|---|---|---|
| 0101 | Matthew Aruch | Seats (Total: 15) |
| | M 2:00pm - 3:15pm | CCC 1105 |

**CPSP279A** **Practicum: Study Abroad; Scholars Study Abroad Practicum**
**Contact department for information to register for this course.**

**CPSP279B** **Practicum: Study Abroad; Business, Society and the Economy**

**CPSP279B Practicum: Study Abroad: Business, Society and the Economy; (1 credit)** Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars - Business, Society and the Economy.

| | | |
|---|---|---|
| 0101 | Mark Wellman | Seats (Total: 22) |
| | Contact instructor or department for details. | |

**CPSP279F** **Practicum: Study Abroad**

**CPSP279F Practicum: Study Abroad; (1 credit)** Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars - Global Public Health. The first class meeting will be held on January 28th and the class will be scheduled to meet at least 6 times during the semester. These meetings will be announced during the first session. Every student will be expected to participate in the Scholar's Academic Showcase held on May 3rd from 4-6 pm.

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|---|---|---|
| 0101 | Colleen Farmer, Elisabeth Maring, Muhiuddin Haider | Seats (Total: 15) |
| | M 4:00pm - 5:15pm | CCC 1100 |

**CPSP339** **Advanced Practicum: Internship**
**Contact department for information to register for this course.**

**CPSP339A** **Advanced Practicum: Internship**
**Contact department for information to register for this course.**

**CPSP339B** **Advanced Practicum: Internship**
**Contact department for information to register for this course.**

**CPSP339D** **Advanced Practicum: Internship**
**Contact department for information to register for this course.**

**CPSP339E** **Advanced Practicum: Internship**
**Contact department for information to register for this course.**

**CPSP339F** **Advanced Practicum: Internship**
**Contact department for information to register for this course.**

**CPSP339G** **Advanced Practicum: Internship**
**Contact department for information to register for this course.**

**CPSP339J** **Advanced Practicum: Internship**
**Contact department for information to register for this course.**

**CPSP339L** **Advanced Practicum: Internship**
**Contact department for information to register for this course.**

**CPSP339N** **Advanced Practicum: Internship**
**Contact department for information to register for this course.**

**CPSP339P** **Advanced Practicum: Internship**
**Contact department for information to register for this course.**

**CPSP339S** **Advanced Practicum: Internship**

**CPSP339S Advanced Practicum: Internship; (3 credits)** Grade Method: REG/P-F/AUD.
This supervised internship will result in capturing the 20-year history of College Park Scholars. The product will tap the internship team's research, writing, editing and multi-media skills. The offering is designed for any sophomore Scholar seeking a practicum, regardless of Scholars program or academic major.

| | | |
|---|---|---|
| 0101 | Katherine McAdams | Seats (Total: 15) |
| | M 4:15pm - 7:00pm | CBD 1140 |
| | Contact instructor or department for details. | |

**CPSP339T** **Advanced Practicum: Internship**
**Contact department for information to register for this course.**

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|---|---|
| **CPSP349A** | **Advanced Practicum: Service Learning**<br>**Contact department for information to register for this course.** |
| **CPSP349B** | **Advanced Practicum: Service Learning**<br>**Contact department for information to register for this course.** |
| **CPSP349D** | **Advanced Practicum: Service Learning**<br>**Contact department for information to register for this course.** |
| **CPSP349E** | **Advanced Practicum: Service Learning**<br>**Contact department for information to register for this course.** |
| **CPSP349F** | **Advanced Practicum: Service Learning**<br>**Contact department for information to register for this course.** |
| **CPSP349G** | **Advanced Practicum: Service Learning**<br>**Contact department for information to register for this course.** |
| **CPSP349J** | **Advanced Practicum: Service Learning**<br>**Contact department for information to register for this course.** |
| **CPSP349L** | **Advanced Practicum: Service Learning**<br>**Contact department for information to register for this course.** |
| **CPSP349N** | **Advanced Practicum: Service Learning**<br>**Contact department for information to register for this course.** |
| **CPSP349P** | **Advanced Practicum: Service Learning**<br>**Contact department for information to register for this course.** |
| **CPSP349T** | **Advanced Practicum: Service Learning**<br>**Contact department for information to register for this course.** |
| **CPSP359A** | **Advanced Practicum: Research**<br>**Contact department for information to register for this course.** |

**CPSP359B** **Advanced Practicum: Research**
**Contact department for information to register for this course.**

**CPSP359D** **Advanced Practicum: Research**
**Contact department for information to register for this course.**

**CPSP359E** **Advanced Practicum: Research; Island Sustainability**

**CPSP359E Advanced Practicum: Research: Island Sustainability; (3 credits)**
Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. Restricted to College Park Scholars-Environment, Technology and Economy.This is a combination research and Service-Learning course. Enrolled students are required to participate in a week-long alternativespring break trip to Smith Island, MD, and the College Park Scholars Academic Showcase, from 4 p.m. to 6 p.m, on Friday, May 3, 2013.

| | | |
|---|---|---|
| 0101 | Elizabeth Gillan | Seats (Total: 8) |
| | TuTh 12:30pm - 1:45pm | CCC 1200 |

**CPSP359F** **Advanced Practicum: Research**
**Contact department for information to register for this course.**

**CPSP359G** **Advanced Practicum: Research**
**Contact department for information to register for this course.**

**CPSP359J** **Advanced Practicum: Research**
**Contact department for information to register for this course.**

**CPSP359L** **Advanced Practicum: Research**
**Contact department for information to register for this course.**

**CPSP359N** **Advanced Practicum: Research**
**Contact department for information to register for this course.**

**CPSP359P** **Advanced Practicum: Research**
**Contact department for information to register for this course.**

**CPSP359S** **Advanced Practicum: Research; Discovery Research**

**CPSP359S Advanced Practicum: Research: Discovery Research; (3 credits)**
Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. Restricted to College Park Scholars. Enrolled students are required to participate in the College Park Scholars Academic Showcase, from 4 p.m. to 6 p.m, Friday, May 3, 2013.

| | | |
|---|---|---|
| 0101 | David Eubanks | Seats (Total: 25) |
| | TuTh 9:30am - 10:45am | CCC 1111 |

**CPSP359T** **Advanced Practicum: Research**
**Contact department for information to register for this course.**

**CPSP359W** **Advanced Practicum: Research**

**CPSP359W Advanced Practicum: Research; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Restricted to College Park Scholars. Enrolled students are required to participate in the College Park Scholars Academic Showcase, from 4 p.m. to 6 p.m, Friday, May 3, 2013. Friday lab will take place at the Library of Congress.

| | | | |
|---|---|---|---|
| 0101 | Robert Garber | Seats (Total: 8) | |
| | Tu 11:00am - 12:15pm | CCC 1111 | |
| | F 8:30am - 12:30pm | Location: TBA | Lab |

**CPSP369** **Advanced Practicum: Peer Teaching**
**Contact department for information to register for this course.**

**CPSP369A** **Advanced Practicum: Peer Teaching**
**Contact department for information to register for this course.**

**CPSP369B** **Advanced Practicum: Peer Teaching**
**Contact department for information to register for this course.**

**CPSP369D** **Advanced Practicum: Peer Teaching**
**Contact department for information to register for this course.**

**CPSP369E** **Advanced Practicum: Peer Teaching; ..**
**Contact department for information to register for this course.**

**CPSP369G** **Advanced Practicum: Peer Teaching**
**Contact department for information to register for this course.**

**CPSP369J** **Advanced Practicum: Peer Teaching**
**Contact department for information to register for this course.**

**CPSP369L** **Advanced Practicum: Peer Teaching**
**Contact department for information to register for this course.**

**CPSP369P** **Advanced Practicum: Peer Teaching**
**Contact department for information to register for this course.**

**CPSP369T** **Advanced Practicum: Peer Teaching**
**Contact department for information to register for this course.**

**CPSP379B** **Advanced Practicum: Study Abroad; Dubai: Global Immersion Experience**
**Contact department for information to register for this course.**

**CPSP379D** **Advanced Practicum: Study Abroad; United Arab Emirates: Global Immersion**
**Contact department for information to register for this course.**

**CPSP388B** **Advanced Special Topics in College Park Scholars; Innovation**

**CPSP388B** *(PermReq)* **Advanced Special Topics in College Park Scholars: Innovation; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Mark Wellman | Seats (Total: 17) |
| | Tu 7:00pm - 9:45pm | Location: TBA |

**CPSP388C** **Advanced Special Topics in College Park Scholars; Value Chain Challenges of the Cruise Ship Industry**
**Contact department for information to register for this course.**

**CPSP388P** **Advanced Special Topics in College Park Scholars; Leadership and Social Change**

**CPSP388P Advanced Special Topics in College Park Scholars: Leadership and Social Change; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to College Park Scholars: Public Leadership Students.

| | | | |
|---|---|---|---|
| 0101 | David Crocker | Seats (Total: 25) | |
| | TuTh 3:30pm - 4:45pm | CBD 1140 | |

# DANC Dance Spring 2013

**DANC109** **Improvisation I; Improvisation I**

**DANC109** *(PermReq)* **Improvisation I: Improvisation I; (2 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

| | | | |
|---|---|---|---|
| 0101 | Sharon Mansur | Seats (Total: 25) | |
| | TuTh 11:00am - 12:15pm | PAC 1610 | Lab |

**DANC128** **Fundamentals of Ballet**

**DANC128 Fundamentals of Ballet; (2 credits)** Grade Method: REG/P-F/AUD.

| | | | |
|---|---|---|---|
| 0101 | Nicole McClam | Seats (Total: 30) | |
| | TuTh 11:00am - 12:15pm | PKT 2102 | Lab |
| 0102 | Shannon Dooling | Seats (Total: 30) | |
| | TuTh 12:30pm - 1:45pm | PKT 2102 | Lab |

**DANC138C** **World Dance Forms; World Dance Forms: Chinese Folk Dance**

**DANC138C World Dance Forms: World Dance Forms: Chinese Folk Dance; (2 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

| | | | |
|---|---|---|---|
| 0101 | Xuejuan Feng | Seats (Total: 30) | |
| | TuTh 2:00pm - 3:15pm | PKT 2102 | Lab |
| 0102 | Xuejuan Feng | Seats (Total: 30) | |
| | TuTh 3:30pm - 4:45pm | PKT 2102 | Lab |

**DANC138W** **World Dance Forms; World Dance Forms: West African Dance**

**DANC138W World Dance Forms: World Dance Forms: West African Dance; (2 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.

| | | | |
|---|---|---|---|
| 0101 | Kwame Opare<br>TuTh 2:00pm - 3:15pm | Seats (Total: 30)<br>PAC 1912 | |
| 0102 | Kwame Opare<br>TuTh 3:30pm - 4:45pm | Seats (Total: 30)<br>PAC 1912 | |

**DANC148** **Fundamentals of Modern Dance; Fundamentals of Modern Dance**

**DANC148 Fundamentals of Modern Dance: Fundamentals of Modern Dance; (2 credits)** Grade Method: REG/P-F/AUD.

| | | | |
|---|---|---|---|
| 0101 | Graham Brown<br>TuTh 12:30pm - 1:45pm | Seats (Total: 30)<br>PAC 1610 | Lab |
| 0102 | Lynne Price<br>TuTh 2:00pm - 3:15pm | Seats (Total: 30)<br>PAC 1610 | Lab |
| 0103 | Stephanie Miracle<br>MW 12:30pm - 1:45pm | Seats (Total: 20)<br>PAC 1908 | Lab |

**DANC149** **Fundamentals of Modern Dance II; Fundamentals of Modern Dance II**

**DANC149 Fundamentals of Modern Dance II: Fundamentals of Modern Dance II; (2 credits)** Grade Method: REG.

| | | | |
|---|---|---|---|
| 0101 | Jessica Laurita-Spanglet<br>TuTh 9:30am - 10:45am | Seats (Total: 25)<br>PAC 1610 | Lab |
| 0102 | Graham Brown<br>MW 12:30pm - 1:45pm | Seats (Total: 25)<br>PAC 1610 | Lab |

**DANC199** **Practicum in Choreography, Production and Performance I; Dance Workshop I**

**DANC199** *(PermReq)* **Practicum in Choreography, Production and Performance I: Dance Workshop I; (1-2 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**DANC200** **Introduction to Dance**

**DANC200 Introduction to Dance; (3 credits)** Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Scholarship in Practice.
A study of dance as a form of communication and as an art form; a survey of the theories and styles of dance, and their relationships to other art forms.

| | | | |
|---|---|---|---|
| 0101 | Erin Crawley-Woods<br>TuTh 12:30pm - 1:45pm | Seats (Total: 25)<br>SQH 1101 | |
| 0201 | Megan Morse Jans<br>TuTh 2:00pm - 3:15pm | Seats (Total: 25)<br>SQH 1101 | |
| 0301 | Shannon Dooling<br>TuTh 3:30pm - 4:45pm | Seats (Total: 25)<br>SQH 1101 | |

**DANC207** **The Creative Process**

**DANC207** *(PermReq)* **The Creative Process; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: DANC109. Restriction: Permission of ARHU-Dance department.*
Explorations in movement, music, words, objects, and environments through improvisation and choreographic problem solving.

| | | | |
|---|---|---|---|
| 0101 | Sharon Mansur<br>MWF 2:00pm - 3:20pm | Seats (Total: 15)<br>PAC 1912 | Lab |

**DANC209** **Dance Composition**

**DANC209** *(PermReq)* **Dance Composition; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: DANC207 and permission of department.

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|---|---|---|---|
| 0101 | Alvin Mayes<br>MWF 12:30pm - 1:45pm | Seats (Total: 15)<br>PAC 1912 | Lab |

**DANC218** **Foundations of Technique I**

**DANC218** *(PermReq)* **Foundations of Technique I; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

| | | | |
|---|---|---|---|
| 0101 | Adriane Fang<br>MWF 9:30am - 10:50am | Seats (Total: 17)<br>PAC 1912 | <br>Lab |

**DANC219** **Foundations of Technique II**

**DANC219** *(PermReq)* **Foundations of Technique II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: DANC218 and permission of department.

| | | | |
|---|---|---|---|
| 0101 | Adriane Fang<br>MWF 9:30am - 10:50am | Seats (Total: 8)<br>PAC 1912 | <br>Lab |
| 0102 | Alvin Mayes<br>MWF 11:00am - 12:20pm | Seats (Total: 15)<br>PAC 1912 | <br>Lab |

**DANC228** **Ballet I**

**DANC228** *(PermReq)* **Ballet I; (2 credits)** Grade Method: REG/P-F/AUD.

| | | | |
|---|---|---|---|
| 0101 | Julia Smith<br>TuTh 9:30am - 10:45am | Seats (Total: 25)<br>PAC 1908 | <br>Lab |

**DANC229** **Ballet II**

**DANC229** *(PermReq)* **Ballet II; (2 credits)** Grade Method: REG/P-F/AUD.

| | | | |
|---|---|---|---|
| 0101 | Julia Smith<br>TuTh 11:00am - 12:15pm | Seats (Total: 25)<br>PAC 1908 | <br>Lab |

**DANC283** **Foundations of Dance History**

**DANC283** *(PermReq)* **Foundations of Dance History; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Permission of ARHU-Dance department.* Introduction to the historical throughlines of dance theory. Analysis of the structure, context, and content of dance works.

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|---|---|---|---|
| 0101 | Miriam Phillips<br>TuTh 9:30am - 10:45am | Seats (Total: 15)<br>PAC 1809 | |

**DANC299** **Practicum in Choreography, Production and Performance II; Dance Workshop II**

**DANC299** *(PermReq)* **Practicum in Choreography, Production and Performance II: Dance Workshop II; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**DANC318** **Foundations of Technique III**

**DANC318** *(PermReq)* **Foundations of Technique III; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: DANC219 an permission of department.

| | | | |
|---|---|---|---|
| 0101 | Patrik Widrig, Sara Pearson | Seats (Total: 8) | |
| | MWF 11:00am - 12:20pm | PAC 1610 | Lab |
| 0102 | Alvin Mayes | Seats (Total: 10) | |
| | MWF 11:00am - 12:20pm | PAC 1912 | Lab |

**DANC319** **Foundations of Technique IV**

**DANC319** *(PermReq)* **Foundations of Technique IV; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: DANC318 and permission of department.

| | | | |
|---|---|---|---|
| 0101 | Sara Pearson, Patrik Widrig | Seats (Total: 14) | |
| | MWF 11:00am - 12:20pm | PAC 1610 | Lab |

**DANC328** **Ballet III; Ballet III for Majors**

**DANC328** *(PermReq)* **Ballet III: Ballet III for Majors; (2 credits)** Grade Method: REG/P-F/AUD.

| | | | |
|---|---|---|---|
| 0101 | Julia Smith | Seats (Total: 15) | |
| | TuTh 12:30pm - 1:45pm | PAC 1908 | Lab |

**DANC329** **Ballet IV; Ballet IV for Majors**

**DANC329** *(PermReq)* **Ballet IV: Ballet IV for Majors; (2 credits)** Grade Method: REG/P-F/AUD.

| | | | |
|---|---|---|---|
| 0101 | Julia Smith | Seats (Total: 10) | |
| | TuTh 12:30pm - 1:45pm | PAC 1908 | Lab |

**DANC386** **Experiential Learning**

**Contact department for information to register for this course.**

**DANC398** **Directed Studies in Dance; Directed Studies: Dance**

**DANC398** *(PermReq)* **Directed Studies in Dance: Directed Studies: Dance; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**DANC399** **Practicum in Choreography, Production and Performance III; Dance Workshop III**

**DANC399** *(PermReq)* **Practicum in Choreography, Production and Performance III: Dance Workshop III; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number. Prerequisite: DANC 299.

**Contact department for information to register for this course.**

**DANC420** **Partnering**

**DANC420** *(PermReq)* **Partnering; (2 credits)** Grade Method: REG/P-F/AUD. *Restriction: Permission of ARHU-Dance department.* Elements of contemporary partnering including weight sharing, counter balancing, momentum/leverage, lifting and moving responsively.

| | | | |
|---|---|---|---|
| 0101 | Alvin Mayes | Seats (Total: 15) | |
| | TuTh 2:00pm - 3:15pm | PAC 1908 | |

**DANC448** **Modern Dance V**

**DANC448** *(PermReq)* **Modern Dance V; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisite: DANC319 and audition.

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|---|---|---|---|
| 0101 | Adriane Fang | Seats (Total: 10) | |
| | MWF 2:00pm - 3:20pm | PAC 1610 | Lab |

**DANC449** **Modern Dance VI**

**DANC449** *(PermReq)* **Modern Dance VI; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisite: DANC448.

| | | | |
|---|---|---|---|
| 0101 | Adriane Fang | Seats (Total: 6) | |
| | MWF 2:00pm - 3:20pm | PAC 1610 | Lab |

**DANC466** **Laban Movement Analysis**

**DANC466** *(PermReq)* **Laban Movement Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Must be in Dance program.* Introduction to Rudolf Laban's system of qualitative movement analysis in relation to understanding personal movement style. Application to dance performance, teaching, composition and research.

| | | | |
|---|---|---|---|
| 0101 | Anne Warren | Seats (Total: 15) | |
| | TuTh 11:00am - 12:15pm | PAC 1912 | Lab |

**DANC485** **Seminar in Dance**

**DANC485 Seminar in Dance; (3 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
*Prerequisite: DANC483. Restriction: Must be in Dance program; and senior standing.* Individual research leading to a presentation with written documentation of the process, serving as a culmination of undergraduate study for dance majors.

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|---|---|---|---|
| 0101 | Karen Bradley | Seats (Total: 20) | |
| | MW 9:30am - 10:45am | PAC 1924 | |

**DANC488** **Project-Based Learning; Project-Based Learning**

**DANC488** *(PermReq)* **Project-Based Learning: Project-Based Learning; (4 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|---|
| 0101 | Karen Bradley | Seats (Total: 16) | |
| | TuTh 3:30pm - 6:30pm | PAC 1611 | |

**DANC489C** **Special Topics in Dance; Contact Improvisation**

**DANC489C** *(PermReq)* **Special Topics in Dance: Contact Improvisation; (2 credits)** Grade Method: REG/P-F/AUD.

| | | | |
|---|---|---|---|
| 0101 | Sharon Mansur | Seats (Total: 15) | |
| | MW 3:30pm - 4:50pm | PAC 1908 | |

**DANC499** **Practicum in Choreography, Production and Performance IV; Practicum in Choreography, Production and Performance IV**

**DANC499** *(PermReq)* **Practicum in Choreography, Production and Performance IV: Practicum in Choreography, Production and Performance IV; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: DANC 399.

**Contact department for information to register for this course.**

**DANC610** **Workshop in the Direction of Dance Production**

**DANC610 Workshop in the Direction of Dance Production; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: DANC410; or students who have taken courses with comparable content may contact the department.* A lecture/laboratory course dealing with the relationship of the director to all of the activities involved in the presentation of a dance concert.

| | | | |
|---|---|---|---|
| 0101 | Paul Jackson | Seats (Total: 5) | |
| | MW 3:30pm - 4:50pm | PAC 1924 | Lab |

**DANC611** **Dance Technology and Media**

**DANC611 Dance Technology and Media; (3 credits)** Grade Method: REG/AUD.
*Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department.* Project-based development of media and technological support for dance performance, archiving, and portfolio design, development and implementation.

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|---|---|---|---|
| 0101 | Paul Jackson<br>MW 9:30am - 10:45am | Seats (Total: 5)<br>PAC 1610 | |

**DANC648** **Advanced Modern Dance Technique I; Advanced Modern Dance Technique I**

**DANC648 Advanced Modern Dance Technique I: Advanced Modern Dance Technique I; (2 credits)** Grade Method: REG/AUD.

| | | | |
|---|---|---|---|
| 0101 | Adriane Fang<br>MWF 2:00pm - 3:20pm | Seats (Total: 5)<br>PAC 1610 | Lab |

**DANC649** **Advanced Modern Dance Technique II; Advanced Modern Dance Technique II**

**DANC649 Advanced Modern Dance Technique II: Advanced Modern Dance Technique II; (2 credits)** Grade Method: REG/AUD.

| | | | |
|---|---|---|---|
| 0101 | Adriane Fang<br>MWF 2:00pm - 3:20pm | Seats (Total: 5)<br>PAC 1610 | Lab |

**DANC679** **Graduate Dance Performance; Grad Dance Performance**

**DANC679 Graduate Dance Performance: Grad Dance Performance; (1-3 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Patrik Widrig<br>Contact instructor or department for details. | Seats (Total: 2) |
| 0201 | Sara Pearson<br>Contact instructor or department for details. | Seats (Total: 2) |
| 0301 | Anne Warren<br>Contact instructor or department for details. | Seats (Total: 2) |
| 0401 | Alvin Mayes<br>Contact instructor or department for details. | Seats (Total: 2) |
| 0501 | Paul Jackson<br>Contact instructor or department for details. | Seats (Total: 2) |
| 0601 | Sharon Mansur<br>Contact instructor or department for details. | Seats (Total: 2) |

| | | |
|---|---|---|
| 0701 | Karen Bradley<br>Contact instructor or department for details. | Seats (Total: 2) |
| 0801 | Miriam Phillips<br>Contact instructor or department for details. | Seats (Total: 2) |
| 1001 | Adriane Fang<br>Contact instructor or department for details. | Seats (Total: 2) |

**DANC689C** **Special Topics in Dance; Contact Improvisation**

**DANC689C** *(PermReq)* **Special Topics in Dance: Contact Improvisation; (2 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Sharon Mansur<br>MW 3:30pm - 4:50pm | Seats (Total: 5)<br>PAC 1908 |

**DANC689P** **Special Topics in Dance; Contemporary Partnering**

**DANC689P Special Topics in Dance: Contemporary Partnering; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Alvin Mayes<br>TuTh 2:00pm - 3:15pm | Seats (Total: 5)<br>PAC 1908 |

**DANC698** **Independent Study in Dance; Independent Study in Dance**

**DANC698 Independent Study in Dance: Independent Study in Dance; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**DANC708** **Choreography II; Collaborative Work**

**DANC708 Choreography II: Collaborative Work; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Patrik Widrig, Sara Pearson<br>M 3:30pm - 4:50pm<br>W 3:30pm - 4:50pm | Seats (Total: 5)<br>PAC 1610<br>PAC 1610 |

**DANC766** **Movement Observation and Analysis**

**DANC766 Movement Observation and Analysis; (2 credits)** Grade Method: REG/AUD.
*Restriction: Must be admitted to MFA in Dance; or permission of ARHU-School of Theatre, Dance & Performance Studies department.* Aspects of cultural and nonverbal analysis, developmental movement, kinesiological analysis, Laban Movement Analysis, with the goal of developing the student/teacher's ability to observe macro and micro levels of detail.

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|---|---|---|
| 0101 | Karen Bradley, Miriam Phillips | Seats (Total: 5) |
| | MW 11:00am - 12:15pm | PAC 1924 |

**DANC777** **Internship in Dance**

**DANC777** *(PermReq)* **Internship in Dance; (6 credits)** Grade Method: S-F.
*Restriction: Must be admitted to MFA in Dance; or permission of ARHU-School of Theatre, Dance & Performance Studies department.* Internship in dance advocacy, administration, education, community building, choreography, or performance with an agency off campus and with a national or international profile.

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|---|---|---|
| 0701 | Karen Bradley | Seats (Total: 5) |
| | Contact instructor or department for details. | |

**DANC788** **Master's Tutorial for Choreography; Graduate Tutorial**

**DANC788 Master's Tutorial for Choreography: Graduate Tutorial; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**DANC789** **Directed Study in Dance Theory; Directed Study in Dance Theory**

**DANC789 Directed Study in Dance Theory: Directed Study in Dance Theory; (2-6 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Patrik Widrig | Seats (Total: 6) |
| | Contact instructor or department for details. | |

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|---|---|---|
| 0201 | Sara Pearson<br>Contact instructor or department for details. | Seats (Total: 6) |
| 0301 | Anne Warren<br>Contact instructor or department for details. | Seats (Total: 6) |
| 0401 | Alvin Mayes<br>Contact instructor or department for details. | Seats (Total: 6) |
| 0501 | Paul Jackson<br>Contact instructor or department for details. | Seats (Total: 6) |
| 0601 | Sharon Mansur<br>Contact instructor or department for details. | Seats (Total: 6) |
| 0701 | Karen Bradley<br>Contact instructor or department for details. | Seats (Total: 6) |
| 0801 | Miriam Phillips<br>Contact instructor or department for details. | Seats (Total: 6) |
| 0901 | Instructor: TBA<br>Contact instructor or department for details. | Seats (Total: 6) |
| 1001 | Adriane Fang<br>Contact instructor or department for details. | Seats (Total: 6) |

**DANC799** **Master's Thesis Project**

**DANC799 Master's Thesis Project; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# ECON Economics Spring 2013

**ECON155** **Economics & the College Affordability Crisis**

**ECON155 Economics & the College Affordability Crisis; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series. *Additional information: No background in economics is required, although this course could be a nice complement for ECON200 and ECON201.* Why have tuition and fees increased substantially over the past 30 years at almost all institutions of higher education in the US? How can quality and productivity be measured in schools? Why do most students pay considerably less than the actual cost of service provision? What is society's interest in devoting considerable resources to education beyond the high school level? How do existing and proposed governmental policies impact both the number of students pursuing a college education and the cost of this education? ECON155 uses tools from economics to examine and explore answers to these and other related questions.

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| 0101 | Cindy Clement<br>MW 1:00pm - 1:50pm<br>F 9:00am - 9:50am | Seats (Total: 20)<br>SHM 2102<br>TYD 0102 | <br><br>Discussion |
| 0102 | Cindy Clement<br>MW 1:00pm - 1:50pm<br>F 10:00am - 10:50am | Seats (Total: 20)<br>SHM 2102<br>EDU 1210B | <br><br>Discussion |
| 0103 | Cindy Clement<br>MW 1:00pm - 1:50pm<br>F 11:00am - 11:50am | Seats (Total: 20)<br>SHM 2102<br>TYD 2102 | <br><br>Discussion |
| 0104 | Cindy Clement<br>MW 1:00pm - 1:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 20)<br>SHM 2102<br>TYD 2110 | <br><br>Discussion |
| 0105 | Cindy Clement<br>MW 1:00pm - 1:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 20)<br>SHM 2102<br>TYD 0102 | <br><br>Discussion |
| 0106 | Cindy Clement<br>MW 1:00pm - 1:50pm<br>F 2:00pm - 2:50pm | Seats (Total: 20)<br>SHM 2102<br>TYD 0101 | <br><br>Discussion |

**ECON200** **Principles of Micro-Economics**

**ECON200 Principles of Micro-Economics; (4 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
*Prerequisite: MATH110; or must have math eligibility of MATH111 or higher. Additional information: It is recommended that students complete ECON200 before taking ECON201.* Introduces economic models of the behavior of individual consumers and business firms, problems of international trade, the distribution of income, policies for eliminating poverty and discrimination, the problems of environmental pollution, and the impact of different market structures upon economic activity.

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|---|---|---|---|
| BL01 | Robert Schwab | Seats (Total: 450) | |
| | TuTh 11:00am - 12:15pm | TYD 0130 | |
| | F 11:00am - 11:50am | TYD 0130 | Discussion |
| | *Blended Learning courses combine face-to-face and online interactions.* | | |
| BL02 | Robert Schwab | Seats (Total: 450) | |
| | TuTh 12:30pm - 1:45pm | TYD 0130 | |
| | F 12:00pm - 12:50pm | TYD 0130 | Discussion |
| | *Blended Learning courses combine face-to-face and online interactions.* | | |

**ECON201** **Principles of Macro-Economics**

**ECON201 Principles of Macro-Economics; (4 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
*Prerequisite: MATH110; or must have math eligibility of MATH111 or higher. Recommended: ECON200. Credit only granted for: ECON201 or ECON205.* An introduction to the problems of unemployment, inflation, and economic growth. Emphasis on roles of monetary and fiscal policy in the conduct of macroeconomic policy.

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|---|---|---|---|
| 0101 | John Neri | Seats (Total: 440) | |
| | TuTh 2:00pm - 3:15pm | TYD 0130 | |
| | F 10:00am - 10:50am | TYD 0130 | Discussion |
| 0201 | Naveen Sarna | Seats (Total: 440) | |
| | MW 2:00pm - 3:15pm | TYD 0130 | |
| | F 1:00pm - 1:50pm | TYD 0130 | Discussion |

**ECON300** **Methods and Tools for Economic Analysis**

**ECON300 Methods and Tools for Economic Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in ECON201 and ECON200; and 1 course with a minimum grade of C- from (MATH140, MATH220, MATH130). Restriction: Must be in a major within BSOS-Economics department; and must not have completed MATH240 or MATH241.* Covers several mathematics techniques and demonstrates their application to a wide variety of models and problems in both microeconomic and macroeconomic analysis. Reviews concepts from algebra and elementary calculus and introduces components of multivariable calculus, linear algebra and differential equations.

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| 0101 | Peter Cramton<br>TuTh 11:00am - 11:50am<br>F 9:00am - 9:50am | Seats (Total: 31)<br>MMH 1400<br>KEY 0126 | Discussion |
| 0102 | Peter Cramton<br>TuTh 11:00am - 11:50am<br>F 9:00am - 9:50am | Seats (Total: 31)<br>MMH 1400<br>KEY 0116 | Discussion |
| 0103 | Peter Cramton<br>TuTh 11:00am - 11:50am<br>F 10:00am - 10:50am | Seats (Total: 31)<br>MMH 1400<br>KEY 1117 | Discussion |
| 0104 | Peter Cramton<br>TuTh 11:00am - 11:50am<br>F 10:00am - 10:50am | Seats (Total: 31)<br>MMH 1400<br>LEF 1201 | Discussion |
| 0105 | Peter Cramton<br>TuTh 11:00am - 11:50am<br>F 11:00am - 11:50am | Seats (Total: 31)<br>MMH 1400<br>KEY 1117 | Discussion |
| 0106 | Peter Cramton<br>TuTh 11:00am - 11:50am<br>F 12:00pm - 12:50pm | Seats (Total: 31)<br>MMH 1400<br>TYD 2108 | Discussion |
| 0201 | Burak Turkgulu<br>MW 2:00pm - 3:15pm | Seats (Total: 40)<br>TYD 2108 | |

**ECON305** **Intermediate Macroeconomic Theory and Policy**

**ECON305 Intermediate Macroeconomic Theory and Policy; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ECON201 and ECON200; and (MATH220, MATH140, or MATH130). Credit only granted for: ECON305 or ECON325.. Additional information: ECON325, Intermediate Macroeconomic Analysis, is a different course designed specifically for economics majors. ECON325 is accepted for ECON major requirements, but ECON305 is not.* Analysis of the determination of national income, employment, and price levels. Discussion of consumption, investment, inflation, and government fiscal and monetary policy.

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| 0101 | John Neri | Seats (Total: 240) |
| | TuTh 11:00am - 12:15pm | LEF 2205 |

**ECON306** **Intermediate Microeconomic Theory**

**ECON306 Intermediate Microeconomic Theory; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ECON200 or AREC250; and ECON201; and (MATH220, MATH140, or MATH130). Credit only granted for: ECON306 or ECON326.. Additional information: ECON306, Intermediate Microeconomic Theory, is a different course designed for other majors besides economics. ECON326 is accepted for ECON major requirements, but ECON306 is not.* Analysis of the theories of consumer behavior and of the firm, market systems, distribution theory and the role of externalities.

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| 0101 | Charles Hulten | Seats (Total: 240) |
| | MW 11:00am - 12:15pm | VMH 1212 |

**ECON311** **American Economic History Before the Civil War**

**ECON311 American Economic History Before the Civil War; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ECON201 and ECON200. Restriction: Must be in a major within BSOS-Economics department.* Economic concepts are used to analyze various aspects of the founding and early history of the U.S., including the British settlement of the North American colonies, the economics of the American Revolutionary war, the writing of the Constitution, the development of financial markets, policies on public lands and the spread of western agriculture, slavery, banking, and early industrialization.

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| 0101 | Alvaro La Parra Perez<br>TuTh 11:00am - 12:15pm | Seats (Total: 40)<br>TYD 2109 |

**ECON312** **American Economics After the Civil War**

**ECON312 American Economics After the Civil War; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ECON201 and ECON200. Restriction: Must be in a major within the BSOS-Economics department.* Topics include: the economics of the Civil War, the performance of southern agriculture in the late 19th century, the rise of large corporations, industrialization, the development of financial markets, the creation of the Federal Reserve Board, the economics of the Great Depression and the New Deal, the economic impact of World War II, and the rise of the modern service economy in the late 20th century.

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|---|---|---|
| 0101 | John Wallis<br>MW 2:00pm - 3:15pm | Seats (Total: 120)<br>SHM 2102 |

**ECON314** **Economic History, Development and Policy**
**Contact department for information to register for this course.**

**ECON315** **Economic Development of Underdeveloped Areas**

**ECON315 Economic Development of Underdeveloped Areas; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ECON201 and ECON200. Credit only granted for: ECON315 or ECON416.* Analysis of the economic and social characteristics of underdeveloped areas. Recent theories of economic development, obstacles to development, policies and planning for development.

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| 0101 | Stefania Scandizzo<br>MWF 1:00pm - 1:50pm | Seats (Total: 40)<br>TYD 0101 |

**ECON317** **Global Economic Policies**

**ECON317 Global Economic Policies; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: ECON201 and ECON200. Restriction: Must be in a major within BSOS-Economics department; or permission of BSOS-Economics department. Credit only granted for: ECON398C or ECON317. Formerly: ECON398C.* Analysis of policy options and debates on fostering economic growth and development in a global economy where national boundaries are no longer relevant. Topics covered will include real loanable funds markets in both local and international contexts during normal conditions and during financial crises, the design of trade and industrial policies, and the role of the World Bank, IMF, WTO, and other international agencies as well as regional and bilateral trade agreements. Emerging economies will be emphasized.

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| 0101 | Naveen Sarna<br>MW 3:30pm - 4:45pm | Seats (Total: 40)<br>TYD 0117 |
| 0201 | Naveen Sarna<br>MW 5:00pm - 6:15pm | Seats (Total: 40)<br>TYD 0117 |

**ECON321** **Economic Statistics**

**ECON321 Economic Statistics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: Minimum grade of C- in ECON201 and ECON200; and 1 course with a minimum grade of C- from (MATH140, MATH220, MATH130). Recommended: STAT100. Restriction: Must be in a major within the BSOS-Economics department. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200 or SOCY201.* Introduction to the use of statistics in economics. Topics include: Probability, random variables and their distributions, sampling theory, estimation, hypothesis testing, analysis of variance, regression analysis and correlation.

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| 0101 | Rafael Dix Carneiro<br>MW 11:00am - 12:15pm | Seats (Total: 100)<br>SQH 1120 |
| 0201 | Jason Hulbert<br>TuTh 12:30pm - 1:45pm | Seats (Total: 120)<br>LEF 2205 |
| 0301 | Sushant Acharya<br>MW 9:00am - 10:15am | Seats (Total: 40)<br>TYD 2110 |

**ECON325** **Intermediate Macroeconomic Analysis**

**ECON325 Intermediate Macroeconomic Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in ECON300. Restriction: Must be in a major within the BSOS-Economics department. Credit only granted for: ECON305 or ECON325. Additional information: ECON305, Intermediate Macroeconomic Theory and Policy, is a different course designed for other majors besides ECON. ECON325 is accepted for major requirements, but ECON305 is not.* Analysis of macroeconomic behavior and policy with emphasis on theoretical rigor. Topics include the determinants of economic growth, unemployment, inflation, and international economic flows.

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| 0101 | Allan Drazen<br>MW 11:00am - 11:50am<br>F 9:00am - 9:50am | Seats (Total: 28)<br>HJP 0226<br>KEY 0103 | Discussion |
| 0102 | Allan Drazen<br>MW 11:00am - 11:50am<br>F 9:00am - 9:50am | Seats (Total: 28)<br>HJP 0226<br>LEF 1201 | Discussion |
| 0103 | Allan Drazen<br>MW 11:00am - 11:50am<br>F 10:00am - 10:50am | Seats (Total: 28)<br>HJP 0226<br>SQH 2121 | Discussion |
| 0104 | Allan Drazen<br>MW 11:00am - 11:50am<br>F 10:00am - 10:50am | Seats (Total: 28)<br>HJP 0226<br>JMZ 3205 | Discussion |
| 0105 | Allan Drazen<br>MW 11:00am - 11:50am<br>F 11:00am - 11:50am | Seats (Total: 28)<br>HJP 0226<br>SQH 1117 | Discussion |
| 0106 | Allan Drazen<br>MW 11:00am - 11:50am<br>F 11:00am - 11:50am | Seats (Total: 28)<br>HJP 0226<br>MMH 0108 | Discussion |
| 0107 | Allan Drazen<br>MW 11:00am - 11:50am<br>F 12:00pm - 12:50pm | Seats (Total: 28)<br>HJP 0226<br>TYD 1114 | Discussion |

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| 0108 | Allan Drazen<br>MW 11:00am - 11:50am<br>F 12:00pm - 12:50pm | Seats (Total: 29)<br>HJP 0226<br>TYD 0111 | Discussion |

**ECON326** **Intermediate Microeconomic Analysis**

**ECON326 Intermediate Microeconomic Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in ECON300. Restriction: Must be in a major within the BSOS-Economics department. Credit only granted for: ECON306 or ECON326. Additional information: ECON306, Intermediate Microeconomic Theory and Policy, is a different course designed for other majors besides economics. ECON326 is accepted for ECON major requirements, but ECON306 is not.* Analysis of economic decision-making by individual buyers and sellers, and resulting market outcomes, with emphasis on theoretical rigor. The efficient properties of perfect competition are examined, followed by consideration of market power, externalities, and asymmetric information.

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| 0101 | John Ham<br>TuTh 2:00pm - 2:50pm<br>F 9:00am - 9:50am | Seats (Total: 30)<br>TYD 0117<br>KEY 1117 | Discussion |
| 0102 | John Ham<br>TuTh 2:00pm - 2:50pm<br>F 11:00am - 11:50am | Seats (Total: 30)<br>TYD 0117<br>KEY 0116 | Discussion |
| 0103 | John Ham<br>TuTh 2:00pm - 2:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 30)<br>TYD 0117<br>KEY 0126 | Discussion |
| 0201 | Ginger Jin<br>MW 10:00am - 10:50am<br>F 9:00am - 9:50am | Seats (Total: 29)<br>JMZ 0220<br>LEF 1220 | Discussion |
| 0202 | Ginger Jin<br>MW 10:00am - 10:50am<br>F 9:00am - 9:50am | Seats (Total: 29)<br>JMZ 0220<br>SQH 2120 | Discussion |

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| 0203 | Ginger Jin<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am | Seats (Total: 29)<br>JMZ 0220<br>SQH 2122 | Discussion |
| 0204 | Ginger Jin<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am | Seats (Total: 29)<br>JMZ 0220<br>SQH 1117 | Discussion |
| 0205 | Ginger Jin<br>MW 10:00am - 10:50am<br>F 11:00am - 11:50am | Seats (Total: 28)<br>JMZ 0220<br>SQH 1119 | Discussion |
| 0206 | Ginger Jin<br>MW 10:00am - 10:50am<br>F 12:00pm - 12:50pm | Seats (Total: 28)<br>JMZ 0220<br>TYD 2102 | Discussion |

**ECON330** **Money and Banking**

**ECON330 Money and Banking; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: ECON201 and ECON200.* The structure of financial institutions and their role in the provision of money and near money. Analysis of the Federal Reserve System, the techniques of central banks, and the control of supply of financial assets in stabilization policy. Relationship of money and credit to economic activity and the price level.

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| 0101 | John Neri<br>TuTh 9:30am - 10:45am | Seats (Total: 300)<br>TYD 0130 |

**ECON340** **International Economics**
**Contact department for information to register for this course.**

**ECON358E** **Special Topics in Study Abroad III; Environmental Economics**
**Contact department for information to register for this course.**

**ECON358T** **Special Topics in Study Abroad III; Behavior and Incentives in Economics: The Case of Soccer**

**ECON358T Special Topics in Study Abroad III: Behavior and Incentives in Economics: The Case of Soccer; (3 credits)** Grade Method: REG/P-F/AUD.

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| SA29 | Lauren Ruszczyk | Seats (Total: 0) |
| | Contact instructor or department for details. | |

**ECON386** **Experiential Learning**

**ECON386** *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: ECON201 and ECON200. Restriction: Permission of BSOS-Economics department; and must be in a major within BSOS-Economics department; and minimum cumulative GPA of 2.75; and junior standing or higher.* See Department Advising Office for course eligibility, course requirements, and application information.

**Contact department for information to register for this course.**

**ECON397** **Honors Thesis**

**ECON397** *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ECON396. Restriction: Must be a candidate for honors in economics.*
General supervision will be provided through assembled meetings with the professor in charge of the course.

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| 0101 | Carlos Vegh | Seats (Total: 15) |
| | Tu 2:00pm - 4:45pm | TYD 1108 |

**ECON398D** **Topics in Economics; Education Economics**

**ECON398D Topics in Economics: Education Economics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ECON321 and ECON326. For ECON majors only. See Department Advising Office for course description.

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| 0101 | Jeffrey DeSimone | Seats (Total: 25) |
| | MW 11:00am - 12:15pm | TYD 0101 |

**ECON398E** **Topics in Economics; Environmental Economics**
**Contact department for information to register for this course.**

**ECON398H** **Topics in Economics; UK Economy & Financial Systems**
**Contact department for information to register for this course.**

**ECON398K** **Topics in Economics; Competitive Market Structures**
**Contact department for information to register for this course.**

**ECON398L** **Topics in Economics; The British Economy and Financial System**
**Contact department for information to register for this course.**

**ECON398M** **Topics in Economics; Economics of Employment**
**Contact department for information to register for this course.**

**ECON398Z** **Topics in Economics; Business Economics**
**Contact department for information to register for this course.**

**ECON399** **Individual Readings and Research For Undergraduates**

**ECON399** *(PermReq)* **Individual Readings and Research For Undergraduates; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Permission of instructor must be arranged in advance. Open only to students who have previously earned 6 or more credits in upper division economics courses.

**Contact department for information to register for this course.**

**ECON399M** **Individual Readings and Research For Undergraduates; Economy and Society**
**Contact department for information to register for this course.**

**ECON402** **Macroeconomic Models and Forecasting**

**ECON402 Macroeconomic Models and Forecasting; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in ECON325; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department.* Analysis of the fluctuations in economic activity and the formulation and use of forecasting models of the economy. Illustrations of computer macro models and forecasting problems.

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|---|---|---|
| 0101 | Douglas Meade | Seats (Total: 36) |
| | TuTh 3:30pm - 4:45pm | PLS 1129 |

**ECON414** **Game Theory**

**ECON414 Game Theory; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department. Credit only granted for: CMSC474, ECON414, or GVPT390.* Studies the competitive and cooperative behavior that results when several parties with conflicting interests must work together. Learn how to use game theory to analyze situations of potential conflict. Applications are drawn from economics, business, and political science.

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| 0201 | Nuno Limao<br>TuTh 9:30am - 10:45am | Seats (Total: 39)<br>TYD 1108 |
| 0301 | Nuno Limao<br>TuTh 11:00am - 12:15pm | Seats (Total: 39)<br>TYD 1108 |

**ECON416** **Theory of Economic Development**

**ECON416 Theory of Economic Development; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department. Credit only granted for: ECON315 or ECON416.* Economic theory of the developing nations; role of innovation, capital formation, resources, institutions, trade and exchange rates, and governmental policies.

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|---|---|---|
| 0101 | Jessica Goldberg<br>TuTh 11:00am - 12:15pm | Seats (Total: 39)<br>TYD 1114 |
| 0201 | Jeffrey Werling<br>TuTh 2:00pm - 3:15pm | Seats (Total: 39)<br>TYD 2106 |
| 0301 | Brian Quistorff<br>TuTh 12:30pm - 1:45pm | Seats (Total: 39)<br>CHE 2118 |

**ECON422** **Econometrics I**

**ECON422 Econometrics I; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: 1 course with a minimum grade of C- from (ECON325, ECON326); and 1 course with a minimum grade of C- from (STAT400, ECON321). Restriction: Must be in a major within the BSOS-Economics department.* Emphasizes the interaction between economic problems and the assumptions employed in statistical theory. Formulation, estimation, and testing of economic models, including single variable and multiple variable regression techniques, theory of identification, and issues relating to inference.

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| 0101 | John Chao<br>TuTh 9:30am - 10:45am | Seats (Total: 39)<br>TYD 1102 |
| 0201 | Sergio Urzua<br>MW 11:00am - 12:15pm | Seats (Total: 39)<br>TYD 2110 |
| 0301 | Razvan Vlaicu<br>TuTh 11:00am - 12:15pm | Seats (Total: 39)<br>TYD 0111 |
| 0401 | John Straub<br>MW 2:00pm - 3:15pm | Seats (Total: 39)<br>TYD 0117 |

**ECON423** **Econometrics II**

**ECON423** *(PermReq)* **Econometrics II; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ECON422. Restriction: Permission of BSOS-Economics department.* Interaction between economic problems and specification and estimation of econometric models. Topics include issues of autocorrelation, heteroscedasticity, functional form, simultaneous equation models, qualitative choice models, and other computational methods.

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|---|---|---|
| 0101 | Pablo D'Erasmo<br>MW 11:00am - 12:15pm | Seats (Total: 39)<br>TYD 1101 |

**ECON424** **Computer Methods in Economics**

**ECON424 Computer Methods in Economics; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: 1 course with a minimum grade of C- from (ECON325, ECON326); and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department.* Database development from Internet and other sources, research methods, and statistical analysis in economics using EXCEL and SAS. Meets in computer labs 3 and 4 in LeFrak (0229 and 0231).

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|---|---|---|
| 0101 | John Straub<br>MW 3:30pm - 4:45pm | Seats (Total: 20)<br>LEF LAB3 |
| 0201 | John Straub<br>MW 9:30am - 10:45am | Seats (Total: 20)<br>LEF LAB3 |
| 0301 | Yichen Zhou<br>TuTh 9:30am - 10:45am | Seats (Total: 20)<br>LEF LAB3 |

**ECON435** **Financial Markets and the Macroeconomy**

**ECON435 Financial Markets and the Macroeconomy; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in ECON325 and ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department; and must not have completed BMGT343. Credit only granted for: BMGT343 or ECON435. Additional information: Finance majors will not receive credit for ECON435.* The different types of financial assets that exist, the markets that they trade in, and the determination of their prices and rates of return are examined. Specific topics that will be covered include the Markowitz portfolio selection model, the capital asset pricing model, the arbitrage pricing theory, the efficient markets hypothesis, the term structure of interest rates, and options. There will be almost no emphasis on issues in corporate finance.

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|---|---|---|
| 0101 | Alvaro Pedraza<br>TuTh 9:30am - 10:45am | Seats (Total: 39)<br>TYD 2110 |
| 0201 | Anton Korinek<br>TuTh 2:00pm - 3:15pm | Seats (Total: 39)<br>TYD 2110 |

**ECON441** **Theory of International Economics**

**ECON441 Theory of International Economics; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in ECON326 and ECON325. Or ECON305 and ECON306; and permission of BSOS-Economics department. Restriction: Must be in Economics program; and must not have completed ECON340. Credit only granted for: ECON340 or ECON441.* Theoretical treatment of international trade and international finance. Includes Ricardian and Heckscher-Ohlin theories of comparative advantage, analysis of tariffs and other trade barriers, international factor mobility, balance of payments adjustments, exchange rate determination, and fiscal and monetary policy in an open economy.

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|---|---|---|
| 0101 | Stefania Scandizzo<br>MWF 10:00am - 10:50am | Seats (Total: 39)<br>TYD 0101 |
| 0201 | Stefania Scandizzo<br>MWF 11:00am - 11:50am | Seats (Total: 39)<br>TYD 0102 |

**ECON442** **Globalization and Capital Markets**

**ECON442 Globalization and Capital Markets; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in ECON326 and ECON325. Or ECON305 and ECON306; and permission of BSOS-Economics department. Restriction: Must be in Economics program.* Uses models of open-economy macroeconomics to explain the causes and consequences of international capital flows. Analysis is made of private consumption, investment, the government sector, current accounts, the labor market, and the money and foreign exchange markets in small open economies. This framework is then used to study examples of how speculative attacks on currencies, sudden reversals of capital inflows, and the effects of the lack of credibility of economic policy affect economic development.

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|---|---|---|
| 0101 | Ling Zhu<br>MW 12:30pm - 1:45pm | Seats (Total: 39)<br>TYD 1114 |
| 0201 | Gabriela Mundaca Elias<br>TuTh 11:00am - 12:15pm | Seats (Total: 39)<br>TYD 0101 |
| 0301 | Gabriela Mundaca Elias<br>TuTh 12:30pm - 1:45pm | Seats (Total: 39)<br>TYD 0101 |

**ECON451** **Public Choice**

**ECON451 Public Choice; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department.* Analysis of collective decision making, economic models of government, program budgeting, and policy implementation; emphasis on models of public choice and institutions which affect decision making.

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|---|---|---|
| 0101 | Peter Coughlin<br>TuTh 3:30pm - 4:45pm | Seats (Total: 39)<br>TYD 1102 |
| 0201 | Peter Coughlin<br>TuTh 12:30pm - 1:45pm | Seats (Total: 39)<br>TYD 1102 |

**ECON454** **Public Finance and Public Policy**

**ECON454 Public Finance and Public Policy; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department. Credit only granted for: ECON350 or ECON454.* Study of welfare economics and the theory of public goods, taxation, public expenditures, benefit-cost analysis, and state and local finance. Applications of theory to current policy issues.

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|---|---|---|
| 0101 | Charles Hulten<br>MW 2:00pm - 3:15pm | Seats (Total: 39)<br>TYD 2102 |
| 0201 | Melissa Kearney<br>MW 11:00am - 12:15pm | Seats (Total: 39)<br>TYD 1114 |

**ECON456** **Law and Economics**

**ECON456 Law and Economics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: Minimum grade of C- in ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department.* Relationship of the exchange process to the system of institutions and rules that society develops to carry out economic transactions. Topics covered include: Property rights; torts, negligence, and liability; contracts and exchanges; criminal control and enforcement; equity and efficiency issues .

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|---|---|---|
| 0101 | Jason Hulbert<br>TuTh 9:30am - 10:45am | Seats (Total: 39)<br>TYD 0102 |
| 0201 | Jason Hulbert<br>TuTh 3:30pm - 4:45pm | Seats (Total: 39)<br>TYD 0117 |

**ECON460** **Industrial Organization**
**Contact department for information to register for this course.**

**ECON465** **Health Care Economics**

**ECON465 Health Care Economics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: Minimum grade of C- in ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department.* Analysis of health care, the organization of its delivery and financing. Access to care; the role of insurance; regulation of hospitals, physicians, and the drug industry; role of technology; and limits on health care spending.

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|---|---|---|
| 0101 | Jeffrey DeSimone<br>TuTh 11:00am - 12:15pm | Seats (Total: 39)<br>TYD 1101 |
| 0201 | Jeffrey DeSimone<br>TuTh 12:30pm - 1:45pm | Seats (Total: 39)<br>TYD 1101 |

**ECON470** **Labor Economics:Theory and Evidence**

**ECON470 Labor Economics:Theory and Evidence; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department.* An analytical treatment of theories of labor markets, and an examination of empirical findings, evidence and conclusions. Topics covered will include some or all of the following: labor demand; labor supply and labor market participation; theory of human capital; earnings differentials; and if time allows, market structure and the efficiency of labor markets; and unemployment.

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|---|---|---|
| 0101 | Judith Hellerstein | Seats (Total: 39) |
| | TuTh 2:00pm - 3:15pm | TYD 1118 |

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**ECON506** **Microeconomic Analysis**

**ECON506 Microeconomic Analysis; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in M.Prof.Studies: Applied Economics program; or permission of BSOS-Economics department.* Microeconomic analysis applied to public policy problems with an emphasis on practical examples and how they illustrate microeconomic theories. Policy issues such as pollution, welfare and income distribution, market design, industry regulation, price controls, tax policy and health insurance are practical examples used to illustrate the abstract principles of microeconomics.

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|---|---|---|
| PR02 | Andrew Stocking | Seats (Total: 25) |
| | **Meets February 25, 2013 - May 17, 2013** | |
| | M 6:30pm - 9:15pm | Location: TBA |
| | *Class meets at 1400 16th Street Washington, DC. Restricted to students in Professional Economics Program.* | |

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**ECON521** **Empirical Analysis I: Foundations of Empirical Research**

**ECON521 Empirical Analysis I: Foundations of Empirical Research; (3 credits)** Grade Method: REG/AUD.
Fundamental aspects of data management and interpretation emphasizing sampling, descriptive statistics, index numbers and construction of aggregated variables. Students will learn probability theory, confidence intervals, hypothesis testing and regression analysis using the EXCEL spreadsheet program and STATA statistical software.

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|---|---|---|
| PR02 | Ephraim Leibtag | Seats (Total: 25) |
| | **Meets February 25, 2013 - May 17, 2013** | |
| | W 6:30pm - 9:15pm | Location: TBA |
| | *Class meets at 1400 16th Street Washington, DC. Restricted to students in Professional Economics Program.* | |

**ECON523** **Empirical Analysis III: Econometric Modeling and Forecasting**

**ECON523 Empirical Analysis III: Econometric Modeling and Forecasting; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ECON522.* Study of empirical techniques that are particularly relevant to the analysis of microeconomic models. Emphasis is on advanced panel data methods, time series regressions, instrumental variables, limited dependent variables, and sample selection corrections.

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|---|---|---|
| PR01 | Nathaniel Higgins | Seats (Total: 25) |
| | **Meets February 25, 2013 - May 17, 2013** | |
| | Th 6:30pm - 9:15pm | Location: TBA |
| | *Class meets at Hemisphere A of the Ronald Reagan Building. Restricted t students in Professional Economics Program.* | |

**ECON565** **Economics of Health Care**

**ECON565 Economics of Health Care; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Must have completed or be concurrently enrolled in ECON645; and ECON641.* An examination of the structure, conduct and performance of the health care market, including a study of physician services, the pharmaceutical industry, the hospital market and health insurance. Extensive use of quantitative and analytic economic tools with special emphasis on regulatory response to market imperfections.

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|---|---|---|
| PR01 | Donald Nichols | Seats (Total: 25) |
| | **Meets February 25, 2013 - May 17, 2013** | |
| | M 6:30pm - 9:15pm | Location: TBA |
| | *Class meets at Hemisphere A of the Ronald Reagan Building. Restricted t students in Professional Economics Program.* | |

**ECON602** **Macroeconomic Analysis II**

**ECON602** *(PermReq)* **Macroeconomic Analysis II; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ECON601; or permission of BSOS-Economics department.* Further issues regarding macroeconomic topics. First half emphasis will be placed on dynamic macroeconomic theory as pertaining to monetary issues, policy ineffectiveness and effectiveness. The second half of the course will focus on theories of investment and growth.

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|---|---|---|---|
| 0101 | Sadik Aruoba, John Haltiwanger | Seats (Total: 48) | |
| | MW 9:30am - 10:45am | TYD 0117 | |
| | M 5:00pm - 6:45pm | TYD 2108 | Discussion |

**ECON604** **Microeconomic Analysis II**

**ECON604** *(PermReq)* **Microeconomic Analysis II; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ECON603. Restriction: Permission of BSOS-Economics department.* Analysis of markets and market equilibria; the Arrow-Debreu model of general equilibrium, the two-sector model, welfare theorems, externalities, public goods, markets with incomplete and asymmetric information.

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|---|---|---|---|
| 0101 | Daniel Vincent, Erkut Ozbay | Seats (Total: 35) | |
| | TuTh 2:00pm - 3:15pm | TYD 0101 | |
| | F 12:00pm - 1:45pm | TYD 2106 | Discussion |
| 0201 | Erkut Ozbay, Daniel Vincent | Seats (Total: 35) | |
| | TuTh 11:00am - 12:15pm | TYD 2110 | |
| | F 3:00pm - 4:45pm | TYD 2106 | Discussion |

**ECON611** **Seminar in American Economic Development**

**ECON611 Seminar in American Economic Development; (3 credits)** Grade Method: REG/AUD.
*Restriction: Permission of BSOS-Economics department.* Selected topics in the long-term movements of the American economy. Quantitative studies of the growth of output; applications of econometric methods and economic theory to topics in American economic history.

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|---|---|---|
| 0101 | John Wallis | Seats (Total: 20) |
| | MW 9:30am - 10:45am | TYD 0102 |

**ECON615** **Economic Development of Less-Developed Areas**

**ECON615 Economic Development of Less-Developed Areas; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ECON603; or permission of BSOS-Economics department.* Analysis of the forces contributing to and retarding economic progress in less-developed areas. Topics include the relationship of international trade to development, import-substituting and export-led industrialization, the effects of population growth on economic development, and the analysis of institutions and institutional change in land tenure, finance, and labor markets.

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|---|---|---|---|
| 0101 | Jessica Goldberg | Seats (Total: 20) | |
| | TuTh 2:00pm - 3:15pm | TYD 2108 | |

**ECON624** **Econometrics II**

**ECON624** *(PermReq)* **Econometrics II; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ECON623; or permission of BSOS-Economics department.* A continuation of ECON623. Topics include: Nonlinear models and nonlinear estimation methods (generalized method of moments and maximum likelihood estimation), panel data models, univariate dynamic models, multivariate dynamic models including simultaneous equation models, and non-parametric/semiparametric estimation methods. The course will also provide instructions on the use of a major statistical package such as Stata or TSP.

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|---|---|---|---|
| 0101 | Ingmar Prucha | Seats (Total: 30) | |
| | TuTh 12:30pm - 1:45pm | TYD 1132 | |
| | Th 5:30pm - 7:15pm | TYD 2108 | Discussion |

**ECON661** **The Corporate Firm**

**ECON661** *(PermReq)* **The Corporate Firm; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ECON604 and ECON603.* This course examines firms' strategic behavior in a variety of settings and considers theories of the firm and industrial structure. Topics may include product choice, quality, advertising, consumer search and switch costs, manufacturer-retailer relations, manufacturer-supplier relations, vertical integration, and alternative industrial structures.

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| 0101 | Emel Filiz Ozbay<br>TuTh 11:00am - 12:15pm | Seats (Total: 20)<br>TYD 1118 |

**ECON664** **Empirical Studies in Industrial Organization**

**ECON664 Empirical Studies in Industrial Organization; (3 credits)** Grade Method: REG.
*Prerequisite: ECON604 and ECON603; and (ECON624 or ECON621). Recommended: ECON662, ECON661, and ECON626. Credit only granted for: ECON664 or ECON698J. Formerly: ECON698J.* Review recent empirical literature in industrial organization. Covers price discrimination, cartel and collusion, entry and market structure, information and competition, technological change and adoption, auction, and firm organization.

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| 0101 | Ginger Jin<br>MW 2:00pm - 3:15pm | Seats (Total: 20)<br>TYD 0101 |

**ECON698** **Selected Topics in Economics**

**ECON698** *(PermReq)* **Selected Topics in Economics; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ECON702** **Advanced Macroeconomics II**

**ECON702** *(PermReq)* **Advanced Macroeconomics II; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ECON602 and ECON601.* Selected issues in monetary economics with an equal emphasis of learning the models and understanding important issues: a survey of models (cash-in-advance, money-in-the-utility-function, transaction cost, search-based models), empirical issues in monetary economics, business cycles and money, monetary policy, welfare cost of inflation, alternative media of exchange.

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|---|---|---|
| 0101 | L Stevens<br>MW 2:00pm - 3:15pm | Seats (Total: 20)<br>TYD 1114 |

**ECON704** **Advanced Microeconomics II**

**ECON704** *(PermReq)* **Advanced Microeconomics II; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ECON604 and ECON603.* This is the second half of a two-semester sequence in Advanced Microeconomics, intended for second-year Ph.D. students. The course material varies from year-to-year, but currently it focuses on auction theory, matching theory, and the relationship between matching and auction theory. Other topics that are treated in some years include: sequential bargaining under incomplete information; and equilibrium refinements.

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| 0101 | Lawrence Ausubel<br>TuTh 2:00pm - 3:15pm | Seats (Total: 20)<br>TYD 2102 |

**ECON708** **Advanced Topics in Applied and Theoretical Microeconomics**

**ECON708** *(PermReq)* **Advanced Topics in Applied and Theoretical Microeconomics; (2 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Robert Schwab<br>MW 12:30pm - 1:45pm | Seats (Total: 15)<br>TYD 0111 |
| 0201 | Emel Filiz Ozbay<br>MW 12:30pm - 1:45pm | Seats (Total: 15)<br>Location: TBA |
| 0301 | Ingmar Prucha<br>MW 12:30pm - 1:45pm | Seats (Total: 15)<br>Location: TBA |
| 0401 | Peter Coughlin<br>MW 12:30pm - 1:45pm | Seats (Total: 15)<br>Location: TBA |
| 0501 | John Chao<br>MW 12:30pm - 1:45pm | Seats (Total: 15)<br>Location: TBA |

**ECON709** **Advanced Topics in Applied and Theoretical Macroeconomics**

**ECON709** *(PermReq)* **Advanced Topics in Applied and Theoretical Macroeconomics; (2 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | John Shea<br>TuTh 12:30pm - 1:45pm | Seats (Total: 10)<br>TYD 1108 |

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|---|---|---|
| 0201 | Charles Hulten<br>TuTh 12:30pm - 1:45pm | Seats (Total: 15)<br>Location: TBA |
| 0301 | Rafael Dix Carneiro<br>TuTh 12:30pm - 1:45pm | Seats (Total: 15)<br>Location: TBA |
| 0401 | Razvan Vlaicu<br>TuTh 12:30pm - 1:45pm | Seats (Total: 10)<br>Location: TBA |

**ECON722** **Econometrics IV**

**ECON722** *(PermReq)* **Econometrics IV; (3 credits)** Grade Method: REG/AUD. *Prerequisite: ECON624; or permission of BSOS-Economics department.* Oriented towards micro-econometric methods. Topics covered will be selected from the following: Further discussion of topics covered in ECON624, binary and multinomial response models, censored and truncated regression models, sample selection models, count data models, duration models program evaluation and treatment effects methods, structural econometrics, the identification problem, stratified and clustered samples, spatial/cross sectional dependence models, dynamic panel data models, weak instruments, non-parametric estimation, boot strap and Jack Knife methods, pre-test estimators.

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|---|---|---|
| 0101 | Ingmar Prucha<br>TuTh 5:00pm - 7:30pm | Seats (Total: 30)<br>TYD 0102 |

**ECON743** **Topics in International Finance**

**ECON743 Topics in International Finance; (3 credits)** Grade Method: REG/AUD. *Prerequisite: ECON602; or permission of BSOS-Economics department. Recommended: ECON741.* Puzzles in international finance; portfolio balance, current account dynamics, exchange rate behavior; capital market imperfections; balance of payments crises.

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|---|---|---|
| 0101 | Sebnem Kalemli-Ozcan<br>MW 11:00am - 12:15pm | Seats (Total: 20)<br>TYD 2108 |

**ECON746** **Topics in International Trade**

**ECON746 Topics in International Trade; (3 credits)** Grade Method: REG/AUD. *Restriction: Permission of BSOS-Economics department.* Topics include the impact of trade on labor markets; the role of international trade for economic development; the use of general equilibrium models for quantifying the gains from trade and the welfare and distributive effects of various trade shocks; the impact of trade on productivity; and dynamic models of trade.

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|---|---|---|
| 0101 | Rafael Dix Carneiro | Seats (Total: 20) |
| | MW 9:00am - 10:15am | TYD 2108 |

**ECON747** **The Macreconomics of Imperfect Capital Markets**

**ECON747** *(PermReq)* **The Macreconomics of Imperfect Capital Markets; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ECON602 and ECON601; or (ECON604 and ECON603); or permission of BSOS-Economics department. Restriction: Must be in one of the following programs (Economics (Master's); Economics (Doctoral)). Credit only granted for: ECON698K or ECON747. Formerly: ECON698K.* After a brief overview of the micro-foundations of capital market imperfections, topics include limited commitment, the financial accelerator, liquidity, bubles, crises, the role of credit in monetary economics as well as international capital flows.

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|---|---|---|
| 0101 | Anton Korinek | Seats (Total: 20) |
| | TuTh 11:00am - 12:15pm | KEY 0117 |

**ECON752** **Public Economics II**

**ECON752 Public Economics II; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ECON751.* Theoretical and empirical issues in taxation, with particular emphasis on income taxation.

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|---|---|---|
| 0101 | Melissa Kearney | Seats (Total: 20) |
| | MW 2:00pm - 3:15pm | TYD 1108 |

**ECON756** **Empirical Political Economics**

**ECON756 Empirical Political Economics; (3 credits)** Grade Method: REG/AUD. *Prerequisite: ECON623, ECON624, and ECON754; or students who have taken courses with comparable content may contact the department. Restriction: Permission of BSOS-Economics department.* An introduction to empirical political economy. Determinants of individual political behavior and the impact of political rules on economic outcomes will both be analyzed. Modern applied econometric techniques will also be covered.

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|---|---|---|
| 0101 | Ethan Kaplan | Seats (Total: 20) |
| | MW 11:00am - 12:15pm | BPS 0283 |

**ECON757** **Topics in Political Economy II**

**ECON757** *(PermReq)* **Topics in Political Economy II; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ECON602 and ECON604; or permission of BSOS-Economics department. Recommended: ECON754.* A continuation of ECON754 Topics in Political Economy I. Topics will include: the informational role of special interest groups; campaign finance, including welfare analysis of campaign finance reform; advanced models of the political economy of redistribution, with emphasis on inefficient redistribution, intergenerational redistribution, and "pork barrel" politics; fairness and redistributive politics; the effects of alternative electoral systems; theoretical models of parliamentary democracies, government formation and political parties; accountability of government officials; and the political economy of federalism.

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|---|---|---|
| 0101 | Razvan Vlaicu | Seats (Total: 20) |
| | TuTh 9:30am - 10:45am | TYD 2102 |

**ECON772** **Population Economics**

**ECON772** *(PermReq)* **Population Economics; (3 credits)** Grade Method: REG/AUD. *Prerequisite: ECON771; or permission of BSOS-Economics department.* Covers the central ideas in population economics. These include theories and test of theories of mortality, fertility and immigration.

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|---|---|---|
| 0101 | Judith Hellerstein | Seats (Total: 20) |
| | TuTh 9:30am - 10:45am | TYD 1101 |

**ECON773** **Econometric Approaches for Research in Applied Microeconomics**

**ECON773 Econometric Approaches for Research in Applied Microeconomics; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ECON722; and (ECON772 or ECON771).* Duration models, propensity score matching, regression discontinuity, weak instruments, heterogenous treatment effect and other advanced topics used in empirical micoreconomics.

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|---|---|---|
| 0101 | John Ham<br>TuTh 11:00am - 12:15pm | Seats (Total: 30)<br>TYD 2108 |

**ECON799** **Master's Thesis Research**

**ECON799 Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ECON808** **Workshop on Macroeconomics and Growth**

**ECON808** *(PermReq)* **Workshop on Macroeconomics and Growth; (2 credits)** Grade Method: S-F/AUD.
ECON graduate students only.

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|---|---|---|
| 0101 | Carlos Vegh<br>W 3:30pm - 6:00pm | Seats (Total: 15)<br>TYD 2111 |
| 0201 | John Shea<br>W 3:30pm - 6:00pm | Seats (Total: 15)<br>Location: TBA |
| 0301 | Charles Hulten<br>W 3:30pm - 6:00pm | Seats (Total: 15)<br>Location: TBA |
| 0401 | Rafael Dix Carneiro<br>W 3:30pm - 6:00pm | Seats (Total: 15)<br>Location: TBA |

**ECON828** **Workshop in Econometrics**

**ECON828 Workshop in Econometrics; (2 credits)** Grade Method: S-F/AUD.

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|---|---|---|
| 0101 | Ingmar Prucha<br>M 3:30pm - 6:00pm | Seats (Total: 20)<br>TYD 1132 |

**ECON848** **Workshop in International Development, and Comparative Economics**

**ECON848** *(PermReq)* **Workshop in International Development, and Comparative Economics; (2 credits)** Grade Method: S-F/AUD.
ECON graduate students only.

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|---|---|---|
| 0101 | Ethan Kaplan<br>M 3:30pm - 6:00pm | Seats (Total: 30)<br>TYD 2102 |
| 0201 | Razvan Vlaicu<br>M 3:30pm - 6:00pm | Seats (Total: 25)<br>Location: TBA |

**ECON868** **Workshop in Industrial Organization**

**ECON868** *(PermReq)* **Workshop in Industrial Organization; (2 credits)** Grade Method: S-F/AUD.
ECON graduate students only.

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|---|---|---|
| 0101 | Erkut Ozbay<br>Tu 3:30pm - 6:00pm | Seats (Total: 20)<br>TYD 2108 |

**ECON878** **Workshop in Labor Economics**

**ECON878** *(PermReq)* **Workshop in Labor Economics; (2 credits)** Grade Method: S-F/AUD.
ECON graduate students only.

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|---|---|---|
| 0101 | Robert Schwab<br>Th 3:30pm - 6:00pm | Seats (Total: 15)<br>TYD 0101 |
| 0201 | Sergio Urzua<br>Th 3:30pm - 6:00pm | Seats (Total: 15)<br>Location: TBA |
| 0301 | Judith Hellerstein<br>Th 3:30pm - 6:00pm | Seats (Total: 15)<br>Location: TBA |

**ECON898** **Pre-Candidacy Research**

**ECON898** *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ECON899** **Doctoral Dissertation Research**

**ECON899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

## EDCI Curriculum and Instruction Spring 2013

**EDCI243** **Literature, Mass Media, and Schooling: The Formation of Group and Individual Identity**

**EDCI243 Literature, Mass Media, and Schooling: The Formation of Group and Individual Identity; (3 credits)** Grade Method: REG. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
The role of literature, mass media, and schooling as mechanisms for social change and social continuation.

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|---|---|---|
| 0101 | Melissa Landa<br>MW 9:30am - 10:45am | Seats (Total: 30)<br>EDU 0114 |
| 0201 | Sarah Morris<br>TuTh 9:30am - 10:45am | Seats (Total: 30)<br>EDU 2119 |
| 0301 | Sarah Morris<br>TuTh 12:30pm - 1:45pm | Seats (Total: 30)<br>ARC 1105 |

**EDCI246** **Good Stories: Teaching Narratives for Peace and Justice**

**EDCI246 Good Stories: Teaching Narratives for Peace and Justice; (3 credits)** Grade Method: REG. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.
Through the study and use of oral storytelling and digital technologies, explore qualities and characteristics of what makes a good story and how stories can be used to advance peace and justice on both individual and social levels.

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|---|---|---|---|
| 0101 | Joseph McCaleb<br>Tu 11:00am - 12:15pm<br>Th 11:00am - 12:15pm | Seats (Total: 30)<br>SQH 1120<br>TWS 0234 | <br><br>Lab |
| 0102 | Joseph McCaleb<br>Tu 11:00am - 12:15pm<br>Th 11:00am - 12:15pm | Seats (Total: 30)<br>SQH 1120<br>EDU 2212 | <br><br>Lab |

**EDCI280** **Looking Inside Schools and Classrooms**

**EDCI280 Looking Inside Schools and Classrooms; (3 credits)** Grade Method: REG.

An exploration of teaching in public schools, grades 1-12: student diversity, societal changes, and the expectations of teachers and public schools. Three hour per week field component. Students will be given their lab assignments in class.

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| 0101 | Margaret Peterson<br>Th 2:00pm - 3:50pm<br>Th 8:30am - 11:30am<br>*Orientation will be held during the first class/seminar meeting.* | Seats (Total: 24)<br>EDU 2121<br>Location: TBA | <br><br>Lab |
| 0102 | Margaret Peterson<br>Th 2:00pm - 3:50pm<br>W 12:30pm - 3:30pm<br>*Orientation will be held during the first class/seminar meeting.* | Seats (Total: 6)<br>EDU 2121<br>Location: TBA | <br><br>Lab |
| 0201 | Khara Schonfeld-Karan<br>Tu 12:30pm - 2:20pm<br>Tu 8:30am - 11:30am<br>*Orientation will be held during the first class/seminar meeting.* | Seats (Total: 24)<br>EDU 2121<br>Location: TBA | <br><br>Lab |
| 0202 | Khara Schonfeld-Karan<br>Tu 12:30pm - 2:20pm<br>W 12:30pm - 3:30pm<br>*Orientation will be held during the first class/seminar meeting.* | Seats (Total: 6)<br>EDU 2121<br>Location: TBA | <br><br>Lab |

**EDCI281** **Cultural Competence, Leadership, and You**

**EDCI281 Cultural Competence, Leadership, and You; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Cultural Competency; Signature Courses - I-Series.
Understanding aspects of global cultural competence, one's own biases, and research methods for understanding one's self and one's relationship to other cultures. Application to campus setting.

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|---|---|---|---|
| 0101 | Tara Brown<br>Tu 12:30pm - 1:45pm<br>Th 12:30pm - 1:45pm | Seats (Total: 30)<br>TYD 2106<br>EDU 2101 | <br><br>Lab |
| 0102 | Tara Brown<br>Tu 12:30pm - 1:45pm<br>Th 12:30pm - 1:45pm | Seats (Total: 30)<br>TYD 2106<br>EDU 3236 | <br><br>Lab |

**EDCI288B** **Networked Intelligence: Learning, Living, and Connecting Smarter in the Digital Age**

**EDCI288B Networked Intelligence: Learning, Living, and Connecting Smarter in the Digital Age; (3 credits)** Grade Method: REG. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

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| 0101 | June Ahn<br>MW 10:00am - 11:15am | Seats (Total: 60)<br>SQH 1119 |

**EDCI288E** **Special Topics in Teacher Education; Developmental Heuristics**

**EDCI288E Special Topics in Teacher Education: Developmental Heuristics; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Tilahun Beyene<br>Contact instructor or department for details. | Seats (Total: 150) |

**EDCI288L** **Special Topics in Teacher Education; Exploring Teaching as a Career**

**EDCI288L Special Topics in Teacher Education: Exploring Teaching as a Career; (1 credit)** Grade Method: REG/P-F/AUD.
Learn about current topics in education and participate as a tutor in a local school.

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| 0101 | Kristin Sinclair, Amanda Stefanski<br>W 6:00pm - 8:00pm | Seats (Total: 35)<br>TWS 0214 |

**EDCI288O** **Special Topics in Teacher Education; Exploring Teaching in America Counts/Reads**

**EDCI288O** *(PermReq)* **Special Topics in Teacher Education: Exploring Teaching in America Counts/Reads; (1-2 credits)** Grade Method: REG/P-F/AUD. Prerequisite: Application and brief interview. Apply at: www.arac.umd.edu. Four to six hours each week in local elementary school working with children in reading or math through the America Reads*America Counts program. Transportation provided. Class will meet every week.

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| 0101 | Lauren Fryer, Alison Barlow<br>Th 12:30pm - 1:45pm<br>Contact instructor or department for details. | Seats (Total: 20)<br>HBK 0108 |

**EDCI297** **Students, Schooling, and Communities**

**EDCI297 Students, Schooling, and Communities; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. *Corequisite: EDCI280.* Facilitates pre-service teachers' initial look at their personal backgrounds and the ways in which they view the world. Exploration of schools, students and their connections to communities. Draws on preservice teachers' concurrent field experiences.

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| 0101 | Jessica DeMink-Carthew<br>MW 9:30am - 10:45am | Seats (Total: 25)<br>EDU 2102 |

**EDCI298** **Special Problems in Teacher Education**

**EDCI298** *(PermReq)* **Special Problems in Teacher Education; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**EDCI386** **Experiential Learning**

**EDCI386 Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
*Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department; and junior standing or higher.*

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| 0101 | Suh Hwang | Seats (Total: 15) |
| | Class time/details on ELMs | ONLINE |
| | *Restricted to TaLK program students only.* | |

**EDCI397** **Principles and Methods of Teaching in Elementary Schools**

**EDCI397** *(PermReq)* **Principles and Methods of Teaching in Elementary Schools; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Must be in Elementary Education program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department.* Teaching strategies, classroom interactive techniques, and procedures for planning and evaluating instruction in elementary schools. Emphasis on principles of effective instruction, classroom management, and adaptation of instruction for various student populations.

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| 0101 | Lisa Bote | Seats (Total: 28) |
| | TuTh 11:00am - 12:15pm | EDU 2121 |
| 0201 | Lisa Bote | Seats (Total: 28) |
| | TuTh 9:30am - 10:45am | EDU 2121 |
| 0301 | Margaret Peterson | Seats (Total: 28) |
| | TuTh 12:30pm - 1:45pm | EDU 2212 |

**EDCI401** **Student Teaching in Elementary School: Art**

**EDCI401 Student Teaching in Elementary School: Art; (4-8 credits)** Grade Method: S-F.
*Prerequisite: EDCI405. Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department; and must be in Secondary Educ: Art program.*

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| 0101 | Susan Hendricks | Seats (Total: 18) |
| | Contact instructor or department for details. | |
| | Contact instructor or department for details. | |

**EDCI402** **Student Teaching in Secondary Schools: Art**

**EDCI402 Student Teaching in Secondary Schools: Art; (2-8 credits)** Grade Method: S-F.
*Prerequisite: EDCI405. Restriction: Minimum cumulative GPA of 2.75; and must be in Secondary Educ: Art program; and permission of Teaching and Learning, Policy and Leadership Department.* Students must pay a $400.00 lab fee.

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|---|---|---|
| 0101 | Susan Hendricks | Seats (Total: 18) |
| | Contact instructor or department for details. | |

**EDCI404** **Student Teaching Seminar: Art Education**

**EDCI404 Student Teaching Seminar: Art Education; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: EDCI405 and EDCI400. Corequisite: EDCI402 and EDCI401. Restriction: Minimum cumulative GPA of 2.75; and must be in Secondary Educ: Art program.* An analysis of teaching theories, strategies, and techniques in the student teaching experience.

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|---|---|---|
| 0101 | Margaret Walker | Seats (Total: 8) |
| | Tu 4:15pm - 7:00pm | Location: TBA |

**EDCI405** **Art Education Methods I**

**EDCI405** *(PermReq)* **Art Education Methods I; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
*Restriction: Must be in Secondary Educ: Art program; or must be in Secondary Educ: Art pre-major program. And minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department. Credit only granted for: EDCI300 or EDCI405. Formerly: EDCI300.* Methods I provides future art teachers with a knowledge base of the theories and best practices of effective pedagogy for: teaching methods and strategies, diversity, motivational techniques, classroom management, assessment and evaluation methods, and accommodating all students including those with special needs.

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|---|---|---|
| 0101 | Susan Hendricks | Seats (Total: 25) |
| | Tu 9:00am - 12:00pm | EDU 1315 |

**EDCI407** **Practicum in Art Education: Three-Dimensional**

**EDCI407 Practicum in Art Education: Three-Dimensional; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Must be in Secondary Educ: Art program; or must be a Pre-Art Education Major.* A lecture-studio course to develop skills, material resources, and educational strategies for three-dimensional projects in school settings.

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| 0101 | Margaret Walker | Seats (Total: 25) |
| | M 9:00am - 12:00pm | EDU 1315 |
| | W 9:00am - 12:00pm | EDU 1315 |

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**EDCI414** **Interdisciplinary Teaching in the Middle Grades II**

**EDCI414 Interdisciplinary Teaching in the Middle Grades II; (2 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: EDCI360 and EDCI413. Corequisite: EDCI425 and EDCI460. Restriction: Minimum cumulative GPA of 2.5; and must be in the Middle School Teacher Education Program.* For prospective middle school teachers. Planning and implementing interdisciplinary instructional practices in middle school. Draws on the context of and experiences in the student teaching placement. Use of technology and incorporation of technology into instruction.

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| IHP1 | Janet Walkoe | Seats (Total: 25) |
| | **Meets January 28, 2013 - June 6, 2013** | |
| | M 4:00pm - 7:00pm | Location: TBA |
| | *TLPL/EDCI MCERT Secondary Education Outreach Offering. Department perm ssion.* | |

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**EDCI417** **Bases for English Language Instruction**

**EDCI417** *(PermReq)* **Bases for English Language Instruction; (3 credits)** Grade Method: REG.
*Restriction: Must be in Secondary Educ: English Language Arts program; and minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department.* Examines current theory, research, best practice, curricula and materials focused on the teaching of English language to native and non-native English learners. Topics include morphology, syntax, semantics, vocabulary, pragmatics, argument, discourse structure, dialects, edited academic English, English language proficiency (listening, speaking, reading, writing) assessment, and instructional planning. English Language Learner (TESOL and SIOP) and special needs (inclusion) pupil issues considered.

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| 0101 | Megan Callow | Seats (Total: 30) |
| | W 5:00pm - 7:45pm | ASY 3207 |

**EDCI420** **Student Teaching Seminar in Secondary Education: Social Studies**

**EDCI420** *(PermReq)* **Student Teaching Seminar in Secondary Education: Social Studies; (1 credit)** Grade Method: REG/P-F/AUD.
*Prerequisite: EDCI426 and EDCI427. Corequisite: EDCI421 and EDCI422. Restriction: Minimum cumulative GPA of 2.75.* An analysis of teaching theories, strategies, and techniques in the student teaching experience.

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|---|---|---|
| 0101 | Kristen Harris | Seats (Total: 30) |
| | W 5:00pm - 7:00pm | ASY 3203 |

**EDCI421** **Student Teaching in Secondary Schools: Social Studies/History**

**EDCI421 Student Teaching in Secondary Schools: Social Studies/History; (12 credits)** Grade Method: S-F.
*Prerequisite: Admission to teacher education program. Corequisite: EDCI420. Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department; and must be in Secondary Educ: Social Studies program.* Students must pay a $400.00 lab fee.

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| 0101 | Alison Jovanovic | Seats (Total: 30) |
| | Contact instructor or department for details. | |

**EDCI430** **Student Teaching Seminar in Secondary Education: Foreign Language**

**EDCI430 Student Teaching Seminar in Secondary Education: Foreign Language; (1 credit)** Grade Method: REG.
*Prerequisite: EDCI410 and EDCI433. Corequisite: EDCI431 and EDCI474. Restriction: Must be in Secondary Educ: Foreign Languages program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department.* An analysis of teaching theory, strategies and techniques in the internship experience.

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|---|---|---|
| 0101 | Perla Blejer | Seats (Total: 12) |
| | W 4:30pm - 6:30pm | ASY 3217 |

**EDCI431** **Teaching Internship in Secondary Schools: Foreign Language**

**EDCI431 Teaching Internship in Secondary Schools: Foreign Language; (12 credits)** Grade Method: S-F.
*Prerequisite: EDCI410 and EDCI433. Corequisite: EDCI430 and EDCI474. Restriction: Minimum cumulative GPA of 2.75; and must be in Secondary Educ: Foreign Languages program. Or permission of EDUC-Teaching, Learning, Policy and Leadership department. Additional information: Internship lab fee applies. See current program description for details.* Practical experience as a full-time intern with a fully licensed foreign language teacher in a diverse school setting; assigned professional responsibilities and participates in teaching/learning experiences.

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| 0101 | Perla Blejer | Seats (Total: 12) |
| | Contact instructor or department for details. | |

**EDCI434** **Pedagogy of Teaching English Language Learners**

**EDCI434 Pedagogy of Teaching English Language Learners; (3 credits)** Grade Method: REG.
A survey of the historical and current approaches, methods, and techniques of teaching English to speakers of other languages, from grammar translation and audiolingual to communicative and task-based approaches will be presented. Additionally, successful classroom practices that address the needs of culturally diverse and language minority students will be analyzed. Students will have the opportunity to discuss, probe and apply theories and principles to hands-on teaching practices in real-life settings. Digital technologies that assist teaching English language learners (ELLs) will be emphasized as well.

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| 0101 | Dian Marissa | Seats (Total: 24) |
| | MW 2:00pm - 3:15pm | EDU 0114 |
| 0201 | Julian Chen | Seats (Total: 15) |
| | Class time/details on ELMs | ONLINE |
| | *Restricted to TaLK program students.* | |

**EDCI436** **Understanding Cross-Cultural Communication for Teaching English Language Learners**

**EDCI436 Understanding Cross-Cultural Communication for Teaching English Language Learners; (3 credits)** Grade Method: REG/AUD. GenEd: Diversity - Cultural Competency.
*Credit only granted for: EDCI436 or EDCI488T. Formerly: EDCI488T.* Theories of intercultural communication and techniques for applying them in the teaching of English as a second language (ESL) and content classes. Research and evaluation of selected aspects of a culture as basis for creating, selecting and using culturally-responsive teaching materials and methods.

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| 0101 | Kellie Rolstad | Seats (Total: 20) |
| | Class time/details on ELMs | ONLINE |

**EDCI437** **English Grammar Pedagogy for Teachers of English Language Learners**

**EDCI437 English Grammar Pedagogy for Teachers of English Language Learners; (3 credits)** Grade Method: REG.
*Credit only granted for: EDCI437 or EDCI488P. Formerly: EDCI488P.* Methods of teaching English grammar to English language learners. The role of teaching grammar. Effective methods and techniques for incorporating grammar in other communication activities.

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| 0101 | Denis Sullivan | Seats (Total: 25) |
| | TuTh 12:30pm - 1:45pm | EDU 1107 |

**EDCI440** **Internship Seminar in Secondary Education: English**

**EDCI440 Internship Seminar in Secondary Education: English; (1 credit)** Grade Method: S-F.
*Prerequisite: EDCI447 and EDCI467. Corequisite: EDCI441 and EDCI474. Restriction: Must be in Secondary Educ: English Language Arts program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department.* A review and analysis of current instructional theories, strategies and best practice in relation to the teaching internship. Meets at area high school; location provided before first meeting. Meets at Eleanor Roosevelt High School. Contact the EDCI department for more information.

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| 0101 | Peggy Wilson | Seats (Total: 35) |
| | M 6:15pm - 7:15pm | Location: TBA |

**EDCI441** **Internship in Secondary Schools: English**

**EDCI441 Internship in Secondary Schools: English; (12 credits)** Grade Method: S-F.
*Prerequisite: EDCI447 and EDCI467. Corequisite: EDCI440 and EDCI474. Restriction: Must be in Secondary Educ: English Language Arts program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department.* Practical experience as a full-time intern with a fully licensed English teacher in a diverse school setting; assigned professional responsibilities and participates in teaching/learning experiences. Internship lab fee applies. See current program description for details. Students must pay a $400.00 lab fee.

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| 0101 | Peggy Wilson<br>Contact instructor or department for details. | Seats (Total: 25) |

**EDCI443** **Literature for Children and Youth**

**EDCI443 Literature for Children and Youth; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Must be in Elementary Education program; or must be a Pre-Education Major.* Analysis of literary materials for children and youth. Timeless and ageless books, and outstanding examples of contemporary publishing. Evaluation of the contributions of individual authors, illustrators and children's book awards.

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| 0101 | Melissa Landa<br>TuTh 12:30pm - 1:45pm | Seats (Total: 30)<br>EDU 2119 |
| 0201 | Melissa Landa<br>TuTh 2:00pm - 3:15pm | Seats (Total: 30)<br>EDU 3233 |

**EDCI450** **Internship Seminar in Secondary Education: Mathematics**

**EDCI450 Internship Seminar in Secondary Education: Mathematics; (1 credit)**
Grade Method: REG/P-F/AUD.
*Prerequisite: EDCI457 and EDCI455. Corequisite: EDCI451 and EDCI474. Restriction: Must be in Secondary Educ: Mathematics program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department.* Strategies and techniques in the internship experience. Structured work on teaching portfolio (requirement for graduation and certification). Place, day, and time to be arranged. Meets at Roosevelt High School. Day and time to be arranged.

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| 0101 | John Seelke<br>Tu 7:00pm - 9:00pm | Seats (Total: 10)<br>EDU 2101 |

**EDCI451** **Student Teaching in Secondary Schools: Mathematics**

**EDCI451 Student Teaching in Secondary Schools: Mathematics; (12 credits)**
Grade Method: S-F.
*Corequisite: EDCI450. Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department; and must be in Secondary Educ: Mathematics program.* Students must pay a $400.00 lab fee.

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|---|---|---|
| 0201 | John Seelke<br>Contact instructor or department for details. | Seats (Total: 15) |

**EDCI461** **Materials and Instruction for Creating Skilled and Motivated Readers, Part I**

**EDCI461 Materials and Instruction for Creating Skilled and Motivated Readers, Part I; (3 credits)** Grade Method: REG.
*Restriction: Must be in Elementary Education program; and junior standing or higher. Or permission of EDUC-Teaching, Learning, Policy and Leadership department.*
Selecting, evaluating, and using a variety of materials and instructional strategies to create skilled and motivated readers in the elementary grades; Topics include emergent literacy, vocabulary development, reading comprehension and oral reading fluency in diverse classroom settings.

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| 0101 | Rose Codling<br>MW 11:15am - 12:30pm | Seats (Total: 25)<br>EDU 3233 |
| 0201 | Loretta Holmberg-Masden<br>TuTh 11:00am - 12:15pm | Seats (Total: 25)<br>EDU 2102 |

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| 0301 | Brecca Faust<br>MW 9:30am - 10:45am | Seats (Total: 25)<br>EDU 2119 |
| IHP1 | Ayanna Baccus<br>**Meets January 8, 2013 - March 12, 2013**<br>Tu 4:30pm - 7:30pm<br>*EDCI CITE Outreach Offering. Department permission required. Contact Diane James at djames1@umd.edu.* | Seats (Total: 18)<br><br>ONLINE |

**EDCI462** **Materials and Instruction for Creating Skilled and Motivated Readers, Part II**

**EDCI462 Materials and Instruction for Creating Skilled and Motivated Readers, Part II; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: EDCI397 and EDCI461. Corequisite: EDCI352, EDCI342, EDCI372, and EDCI322. Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department; and must be in Elementary Education program.* Selecting, evaluating, and using a variety of materials to create skilled and motivated readers in the elementary grades, particularly in diverse classroom settings; Topics include word analysis, spelling, writing, reading comprehension strategies, directed reading lessons, and explicit instruction.

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| IHP1 | Ayanna Baccus<br>**Meets January 8, 2013 - March 12, 2013**<br>Tu 4:30pm - 7:30pm<br>*EDCI CITE Outreach Offering. Department permission required. Contact Diane James at djames1@umd.edu.* | Seats (Total: 18)<br><br>ONLINE |
| IHP2 | Candice Doyle<br>**Meets January 24, 2013 - May 16, 2013**<br>Th 5:00pm - 8:00pm<br>*TLPL EDCI MCERT Outreach Offering. Department permission required.* | Seats (Total: 20)<br><br>Location: TBA |

**EDCI463** **Reading in the Secondary School**

**EDCI463 Reading in the Secondary School; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Minimum cumulative GPA of 2.75; and must be in one of the following programs (Middle School Education; Secondary Educ: Science; Secondary Educ: English Language Arts; Secondary Educ: Mathematics; Secondary Educ: Foreign Languages; Secondary Educ: Social Studies; Secondary Educ: Art) ; and permission of department required for post-baccalaureate students.* Provides secondary school teachers with understanding the need for and approaches to teaching students to read and learn from content area texts.

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| 0101 | Margaret Jenkins<br>TuTh 2:00pm - 3:15pm | Seats (Total: 30)<br>EDU 2212 |
| 0201 | Pamela Segal<br>MW 2:00pm - 3:15pm | Seats (Total: 30)<br>EDU 2121 |

**EDCI464** **Assessment for Reading**

**EDCI464 Assessment for Reading; (3 credits)** Grade Method: REG.
*Prerequisite: EDCI362. Restriction: Senior standing. And must be in Elementary Education program; or must be in Early Childhood Education program.* Examination of reading assessment theory, materials and procedures; Topics include validity and reliability in reading assessment, formal and informal assessment, reading instruction that is informed by ongoing assessment, and the effects of assessment on students and schooling in a diverse society.

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| 0101 | Rose Codling<br>W 4:15pm - 7:00pm<br>*Restricted Team A1 students only.* | Seats (Total: 32)<br>EDU 1121 |
| 0201 | Julie Salay<br>Tu 4:15pm - 7:00pm<br>*Restricted Team A2 students only.* | Seats (Total: 32)<br>EDU 1121 |
| 0301 | Olivia Saracho<br>Tu 4:15pm - 7:00pm<br>*Restricted to Team B1 students only.* | Seats (Total: 32)<br>EDU 2119 |

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| 0401 | Olivia Saracho<br>W 4:15pm - 7:00pm<br>*Restricted to Team B2 students only.* | Seats (Total: 32)<br>EDU 2119 |
| 0501 | Olivia Saracho<br>Th 4:15pm - 7:00pm<br>*Restricted to Early Childhood Students Only.* | Seats (Total: 32)<br>EDU 2119 |

**EDCI466** **Literature for Adolescents**

**EDCI466** *(PermReq)* **Literature for Adolescents; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
*Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department.* Reading and analysis of fiction and nonfiction; methods for critically assessing quality and appeal; current theory and methods of instruction; research on response to literature; curriculum design and selection of books.

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| 0101 | Rebecca Hessong Grove<br>MW 11:00am - 12:15pm | Seats (Total: 30)<br>EDU 2121 |

**EDCI471** **Internship in Secondary Schools: Science**

**EDCI471 Internship in Secondary Schools: Science; (12 credits)** Grade Method: S-F.
*Prerequisite: EDCI470. Corequisite: EDCI480 and EDCI474. Restriction: Must be in Secondary Educ: Science program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department.* Practical experience as a full-time intern with a fully licensed science teacher in a diverse school setting; assigned professional responsibilities and participates in teaching/learning experiences. Internship lab fee applies. See current program description for details. Students must pay a $400.00 lab fee.

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| 0101 | Stacy Pritchett<br>Contact instructor or department for details. | Seats (Total: 20) |

**EDCI474** **Teaching Academically, Culturally, and Linguistically Diverse Students in Secondary Education**

**EDCI474 Teaching Academically, Culturally, and Linguistically Diverse Students in Secondary Education; (2 credits)** Grade Method: REG/P-F/AUD.
*Corequisite: Enrolled in internship/certification area. Restriction: Must be in one of the following programs (Secondary Educ: Science; Secondary Educ: English Language Arts; Secondary Educ: Mathematics; Secondary Educ: Foreign Languages; Secondary Educ: Social Studies; Secondary Educ: Art) ; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department.* Multi-disciplinary capstone course for Secondary Education majors. Discussion of pedagogical and content issues relevant for teaching academically, culturally, and linguistically diverse students with particular emphasis on students with special educational needs and English language learners. Students develop and use curriculum-based assessments and/or lessons with these groups of students.

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| 0101 | Bedrettin Yazan, Amanda Stefanski<br>Tu 5:00pm - 6:50pm | Seats (Total: 30)<br>TYD 2111 |
| 0201 | Amanda Stefanski, Bedrettin Yazan<br>Tu 5:00pm - 6:50pm | Seats (Total: 30)<br>TYD 2110 |

**EDCI475** **Embracing Diversity in the Classroom Community**

**EDCI475** *(PermReq)* **Embracing Diversity in the Classroom Community; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Admission to teacher education program; or permission of EDUC-Teaching, Learning, Policy and Leadership department. Credit only granted for: EDCI475 or EDCI488L. Formerly: EDCI488L.* An exploration of the richness and complexity of student diversity that teacher candidates will encounter in K-12 classrooms. Students will engage in critical reflection around diversity and equity issues.

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| 0101 | Summer Clark<br>M 4:15pm - 7:00pm | Seats (Total: 25)<br>EDU 2101 |

**EDCI480** **Practices in Secondary School Science Teaching**

**EDCI480 Practices in Secondary School Science Teaching; (2 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: EDCI470. Corequisite: EDCI471 and EDCI474. Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department; and must be in Secondary Educ: Science program. Or minimum cumulative GPA of 2.75. Credit only granted for: EDCI480 or EDCI488J. Formerly: EDCI488J.* Analyses of student thinking, instructional interpretations, strategies, and techniques in the teaching internship. Location to be announced and will occur in a local school.

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| 0101 | Stacy Pritchett<br>W 3:00pm - 4:50pm | Seats (Total: 10)<br>EDU 2212A |

**EDCI481** **Student Teaching: Elementary**

**EDCI481 Student Teaching: Elementary; (12 credits)** Grade Method: S-F.
*Prerequisite: EDCI352, EDCI362, EDCI342, EDCI372, and EDCI322. Corequisite: EDCI464. Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department; and must be in Elementary Education program; and minimum cumulative GPA of 2.75.* Limited to elementary majors who have previously applied. Students must pay a $400.00 lab fee.

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| 0101 | Susan Denvir<br>W 2:00pm - 4:00pm<br>Contact instructor or department for details. | Seats (Total: 52)<br>Location: TBA |
| 0201 | Leslie Gettier<br>M 2:00pm - 4:00pm<br>Contact instructor or department for details. | Seats (Total: 52)<br>Location: TBA |

**EDCI485** **Student Teaching in Elementary School: Physical Education**

**EDCI485 Student Teaching in Elementary School: Physical Education; (4-8 credits)** Grade Method: S-F.
*Restriction: Must be in Physical Education program.* Fulfills elementary teaching requirements in K-12 physical education programs. Limited to majors who have previously applied.

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| 0101 | Ana Palla-Kane<br>Contact instructor or department for details. | Seats (Total: 25) |

**EDCI488D** **Selected Topics in Teacher Education; Mathematics and Science Education: Theory and Practice for Learning Assistants**

**EDCI488D Selected Topics in Teacher Education: Mathematics and Science Education: Theory and Practice for Learning Assistants; (1-3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Eric Kuo | Seats (Total: 18) |
| | W 5:00pm - 7:45pm | EDU 2212 |

**EDCI489** **Field Experiences in Education**

**EDCI489** *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**EDCI495** **Student Teaching in Secondary Schools: Physical Education**

**EDCI495 Student Teaching in Secondary Schools: Physical Education; (2-8 credits)** Grade Method: S-F.
*Restriction: Must be in a major within EDUC-Teaching, Learning, Policy and Leadership department; or must be in Curriculum and Instruction (Doctoral) program; or must be in Curriculum and Instruction (Master's) program.* For EDCI majors only. Students must pay a $400.00 lab fee.

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| 0101 | Ana Palla-Kane | Seats (Total: 25) |
| | Contact instructor or department for details. | |

**EDCI498** **Special Problems in Teacher Education**

**EDCI498** *(PermReq)* **Special Problems in Teacher Education; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**EDCI588R** **Special Topics in Curriculum & Instruction; Social Media and Digital Cultures: Out of the Classroom and Into Students' Lives**

**EDCI588R** *(PermReq)* **Special Topics in Curriculum & Instruction: Social Media and Digital Cultures: Out of the Classroom and Into Students' Lives; (1 credit)** Grade Method: REG.

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| IH99 | Daniel Greene | Seats (Total: 10) |
| | **Meets March 16, 2013 - March 23, 2013** | |
| | Sa 8:45am - 3:15pm | Location: TBA |
| | *Special COE Outreach OfferingSeminars for Teachers. Registration by special permission. Contact Cheryl MacLean for more information: cmaclean@umd.edu* | |

**EDCI588V** **Special Topics in Curriculum & Instruction; Teaching about Islam: Pedagogical Resources and Perspectives**

**Contact department for information to register for this course.**

**EDCI600** **Trends in Art Education Curriculum**

**EDCI600 Trends in Art Education Curriculum; (3 credits)** Grade Method: REG/AUD.

Recent developments in art education.

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| IHP1 | Susan Hendricks | Seats (Total: 15) |
| | **Meets January 29, 2013 - May 14, 2013** | |
| | Tu 4:15pm - 7:00pm | Location: TBA |
| | *EDCI Outreach Secondary MCERT. Department permission required.* | |

**EDCI611** **Studying Student Learning in Diverse Settings**

**EDCI611 Studying Student Learning in Diverse Settings; (3 credits)** Grade Method: REG/AUD.

This course deepens teacher understanding of student development and the cultural context for teaching through readings and focused field studies. Participants will also begin developing skills needed for investigations using methods of interpretive inquiry.

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| IH30 | Maria Hyler | Seats (Total: 12) |
| | **Meets January 23, 2013 - May 8, 2013** | |
| | W 5:30pm - 8:30pm | Location: TBA |
| | *TLPL/EDCI MSMaRTProgram Outreach Offering. Department permission requir d.* | |

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| IHP1 | Summer Clark<br>**Meets January 23, 2013 - May 14, 2013**<br>W 5:30pm - 8:30pm<br>*EDCI Outreach Secondary MCERT. Department permission required.* | Seats (Total: 25)<br>Location: TBA |
| IHP2 | Linda Krakaur<br>**Meets January 24, 2013 - May 16, 2013**<br>Th 5:30pm - 8:30pm<br>*TLPL/EDCI MCERT Secondary Program Outreach Offering. Department permission required.* | Seats (Total: 25)<br>Location: TBA |

**EDCI612** **Assessing Student Learning and Development**

**EDCI612 Assessing Student Learning and Development; (3 credits)** Grade Method: REG/AUD.
*Credit only granted for: EDCI612 or EDCI788S. Formerly: EDCI788S.* Prepares experienced teachers to assess student knowledge, strategies and skills over time so that they can design instruction that builds on student strengths and addresses student needs. Teachers will study the purposes of assessment including school and student needs. Teachers will study the purposes of assessment including school and teacher accountability, student placement, course grade assignment and instructional design. They also will explore types of formal and informal assessment, curriculum-based and curriculum-free assessment, external and teacher made assessment.

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| 0101 | Peter Afflerbach<br>M 4:15pm - 7:00pm | Seats (Total: 25)<br>EDU 1315 |

**EDCI613** **Practice and Theory in Teaching Second Language Learners**

**EDCI613 Practice and Theory in Teaching Second Language Learners; (3 credits)** Grade Method: REG/AUD.
*Corequisite: EDCI637 or EDCI689; or permission of EDUC-Teaching, Learning, Policy and Leadership department. Credit only granted for: EDCI613 or EDCI688B. Formerly: EDCI688B.* Focuses on issues that arise while teaching second language (ESOL or foreign language) learners. Supports implementation of theory into practice and research-based best practices during teaching internship, and completion of teaching portfolio during a second field experience.

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| 0101 | Hollis Stein<br>M 5:00pm - 7:45pm | Seats (Total: 10)<br>Location: TBA |
| IHP1 | Hollis Stein<br>**Meets January 28, 2013 - May 13, 2013**<br>M 5:00pm - 7:45pm<br>*EDCI Outreach Secondary MCERT. Department permission required.* | Seats (Total: 30)<br>Location: TBA |

**EDCI618** **Proseminar for Teaching Internship**

**EDCI618 Proseminar for Teaching Internship; (1-3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| IHP1 | Jo Smallwood<br>**Meets January 15, 2013 - April 2, 2013**<br>Tu 1:45pm - 4:30pm<br>*EDCI CITE Outreach Offering. Department permission required. Contact Diane James at djames1@umd.edu.* | Seats (Total: 18)<br>ONLINE |

**EDCI620** **Trends in Secondary School Curriculum: Social Studies**

**EDCI620 Trends in Secondary School Curriculum: Social Studies; (3 credits)** Grade Method: REG/AUD.
Recent developments in educational thinking and practice on the curriculum in social studies.

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| IHP1 | Lisa Eaker<br>**Meets January 28, 2013 - May 14, 2013**<br>Tu 5:30pm - 8:30pm<br>*EDCI Outreach Secondary MCERT. Department permission required.* | Seats (Total: 20)<br>Location: TBA |

**EDCI622** **Teaching Social Studies in Elementary Schools**

**EDCI622 Teaching Social Studies in Elementary Schools; (3 credits)** Grade Method: REG/AUD.
Examination of current literature and research in the social sciences as they relate to social studies curriculum and instruction.

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| IHP1 | Lisa Eaker<br>**Meets January 24, 2013 - May 16, 2013**<br>Th 2:00pm - 5:00pm | Seats (Total: 20)<br>Location: TBA |
| | *EDCI Outreach Secondary MCERT. Department permission required.* | |

**EDCI625** **Reading, Cognition, and Instruction: Reading in the Content Areas I**

**EDCI625 Reading, Cognition, and Instruction: Reading in the Content Areas I; (3 credits)** Grade Method: REG.
Provides middle and secondary education students with an understanding of the interactive nature of the reading process, the use of research-based instructional strategies, the relationship between vocabulary development and student concept development, the design of strategic reading instruction, the methods for assessing content area literacy, and the ability to plan instruction and communicate with students, parents, and allied professionals.

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| 0101 | Ying Alice Zhang<br>Tu 5:30pm - 8:00pm | Seats (Total: 15)<br>EDU 0202 |
| IHP1 | Ayanna Baccus<br>**Meets January 24, 2013 - May 5, 2013**<br>Class time/details on ELMs | Seats (Total: 25)<br>ONLINE |
| IHP3 | Ying Alice Zhang<br>Tu 5:30pm - 8:00pm | Seats (Total: 15)<br>ONLINE |

**EDCI631** **Student Assessment in the Second Language Classroom**

**EDCI631 Student Assessment in the Second Language Classroom; (3 credits)**
Grade Method: REG/AUD.
Analysis of standardized and teacher-made FL/ESL tests; emphasis on principles of FL/ESL test construction. Field testing of commercial and teacher-made materials.

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| 0101 | Ebony Shockley<br>M 5:00pm - 7:45pm | Seats (Total: 25)<br>EDU 2212 |

**EDCI632** **Special Education and Oral Language Development in TESOL**

**EDCI632 Special Education and Oral Language Development in TESOL; (3 credits)** Grade Method: REG.
*Credit only granted for: EDCI632 or EDCI788L. Formerly: EDCI788L.* Understanding of pre-referal, referal, assessment and identification process, as well as instruction of English Language Learners with learning disabilities. Required for TESOL Certification program.

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| 0101 | Roberta Lavine<br>W 5:00pm - 7:45pm<br>*For EDCI majors only.* | Seats (Total: 30)<br>Location: TBA |
| IHP1 | Roberta Lavine<br>**Meets January 23, 2013 - May 15, 2013**<br>W 5:00pm - 7:45pm<br>*EDCI TESOL Outreach Offering. Department permission required.* | Seats (Total: 30)<br>Location: TBA |

**EDCI633** **Teaching for Cross Cultural Communication**

**EDCI633 Teaching for Cross Cultural Communication; (3 credits)** Grade Method: REG/AUD.
Theories of intercultural communication and techniques for applying them in the teaching of English as a second language (ESL) and content classes. Research and evaluation of selected aspects of a culture as basis for creating, selecting and using culturally-responsive teaching materials and methods.

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| 0101 | Kellie Rolstad<br>Class time/details on ELMs | Seats (Total: 10)<br>ONLINE |

**EDCI637** **Advanced Laboratory Practice in Foreign Language/TESOL Education**

**EDCI637 Advanced Laboratory Practice in Foreign Language/TESOL Education; (2-6 credits)** Grade Method: REG/AUD.
*Prerequisite: EDCI434 and EDCI634; or permission of EDUC-Teaching, Learning, Policy and Leadership department.* Supervised internship in TESOL setting.

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| 0101 | Ali Selvi<br>Contact instructor or department for details. | Seats (Total: 15) |
| 0201 | Bedrettin Yazan<br>Contact instructor or department for details. | Seats (Total: 20) |

**EDCI638** **Teaching ESOL Reading and Writing in Secondary Content Areas**

**EDCI638 Teaching ESOL Reading and Writing in Secondary Content Areas; (3 credits)** Grade Method: REG/AUD.
This course will be offered as a hybrid meeting face-to-face every other week and online work in the intervening weeks.

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| 0101 | Steven Sharp | Seats (Total: 25) |
| | Tu 5:00pm - 7:45pm | ASY 3219 |

**EDCI646** **Coaching and Mentoring Teachers: Literacy Across Content Areas**

**EDCI646 Coaching and Mentoring Teachers: Literacy Across Content Areas; (3 credits)** Grade Method: REG.
*Prerequisite: Enrolled in EDCI post-baccalaureate certificate Program in Literacy coaching. Restriction: Must be in Curriculum and Instruction (Master's) program; and permission of instructor. Credit only granted for: EDCI646 or EDCI788M. Formerly: EDCI788M.* Provides knowledge on coaching and mentoring teachers in school district and school settings based on Standards for Middle and High School Literacy Coaches as well as current theory, research and best practice supporting the efficacy of literacy coaching. Emphasis on understanding reading process/strategy instruction; writing process/ strategy instruction; and gathering and interpreting valid and reliable assessment data for creating district-wide and school-based literacy intervention plans.

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| 0101 | Wayne Slater | Seats (Total: 20) |
| | Tu 5:00pm - 7:45pm | JMZ 2123 |

**EDCI657** **Understanding and Engaging Students' Conceptions of Mathematics**

**EDCI657 Understanding and Engaging Students' Conceptions of Mathematics; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Experience in teaching math; or permission of EDUC-Teaching, Learning, Policy and Leadership department.* Research related to K-14 students' common errors in and (mis)understandings of mathematics. Instructional strategies useful in building on errors and changing students' conceptions.

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| 0101 | Ann Edwards<br>W 4:15pm - 7:00pm | Seats (Total: 20)<br>Location: TBA |
| | *Hybrid Delivery: some sessions will be conducted online. Contact instructor for more information.* | |
| IHP1 | Ann Edwards<br>**Meets January 29, 2013 - May 7, 2013**<br>W 4:15pm - 7:00pm | Seats (Total: 20)<br>Location: TBA |
| | *TLPL/EDCI STME M.Ed. Middle School Math Outreach Program. Department permission required.* | |

**EDCI661** **Content Area Reading**

**EDCI661 Content Area Reading; (3 credits)** Grade Method: REG.
*Prerequisite: EDCI362; or EDCI463; or students who have taken courses with comparable content may contact the department.* Research-based strategies for improving reading to learn in the content areas (K-12).

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| IH20 | Peter Afflerbach<br>**Meets January 29, 2013 - May 7, 2013**<br>Tu 4:30pm - 7:15pm | Seats (Total: 25)<br>Location: TBA |
| | *EDCI Reading Specialist Outreach Offering. Department permission required. Contact Diane James at djames1@umd.edu.* | |

**EDCI665** **Clinical Instruction in Reading**

**EDCI665 Clinical Instruction in Reading; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: EDCI664; or permission of EDUC-Teaching, Learning, Policy and Leadership department.* Clinical procedures and materials for reading instruction. For reading majors only.

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| 0101 | Rose Codling<br>Tu 4:15pm - 7:00pm | Seats (Total: 15)<br>EDU 0114 |

**EDCI666** **Leadership in Schoolwide Reading Program**

**EDCI666 Leadership in Schoolwide Reading Program; (3 credits)** Grade Method: REG/AUD.
*Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department.* Preparation of reading personnel to function as resource persons to classroom teachers, administrators and the school community.

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| 0101 | Elynn Lewis, Rose Codling | Seats (Total: 15) |
| | Th 4:15pm - 7:00pm | EDU 2212 |

**EDCI667** **Multicultural Materials and Instruction for K-12 Readers**

**EDCI667 Multicultural Materials and Instruction for K-12 Readers; (3 credits)** Grade Method: REG/AUD.
*Credit only granted for: EDCI667 or EDCI688E (as offered in Spring 2008). Formerly: EDCI688E.* An exploration of the multicultural materials and instructional strategies that create responsive K-12 classrooms and curricula for diverse readers.

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| 0101 | Jennifer Turner | Seats (Total: 20) |
| | W 4:30pm - 7:15pm | EDU 2102 |

**EDCI673** **Assessing, Diagnosing, and Teaching Writing**

**EDCI673 Assessing, Diagnosing, and Teaching Writing; (3 credits)** Grade Method: REG/AUD.
*Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department.* Examines current theory, research, best practice, curricula and materials for teaching written communication in middle and secondary schools in order to survey, review and select formal and informal assessments and diagnostic strategies useful for writing teachers. Focuses on validity and reliability issues. Includes instructional planning and development of instructional materials for implementing appropriate individual, small-group and large-group instruction. English Language Learner (TESOL and SIOP) and special needs (inclusion) pupil issues considered.

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| IHP1 | Kathleen Travers | Seats (Total: 25) |
| | **Meets January 28, 2013 - May 14, 2013** | |
| | Tu 5:30pm - 8:30pm | Location: TBA |
| | *EDCI Outreach Secondary MCERT. Department permission required.* | |

**EDCI676** **Reflection and Practice in Secondary School Science Teaching**

**EDCI676 Reflection and Practice in Secondary School Science Teaching; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: EDCI675; or permission of instructor. Restriction: Must be in the Maryland Master's Certification program.* Use of classroom videotape and student work as data for teachers to analyze their students' thinking and discuss instructional interpretation, strategies, and techniques in the specific contexts of their classes.

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| IHP1 | Daniel Levin | Seats (Total: 20) |
| | **Meets January 28, 2013 - May 13, 2013** | |
| | M 5:30pm - 8:30pm | Location: TBA |
| | *EDCI Outreach Secondary MCERT. Department permission required.* | |

**EDCI683** **Teaching and Learning Number in the Middle Grades**

**EDCI683 Teaching and Learning Number in the Middle Grades; (3 credits)** Grade Method: REG/AUD.
*Restriction: Admission to M.A or M.Ed. w/ concentration in Mathematics Education; or permission of EDUC-Teaching, Learning, Policy and Leadership department.* Students develop reflective, theoretical perspectives toward and practical approaches for the teaching and learning of the number system in middle school. There is an emphasis on rational numbers and its pedagogical content knowledge.

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| IHP1 | Rodrigo Gutierrez | Seats (Total: 30) |
| | **Meets January 29, 2013 - May 7, 2013** | |
| | Tu 5:00pm - 8:00pm | Location: TBA |
| | *TLPL/EDCI STME M.Ed. Middle School Math Outreach Program. Department permission required.* | |

**EDCI685** **Research Methods**

**EDCI685 Research Methods; (3 credits)** Grade Method: REG.
The interpretation and conduct of research in curriculum and instruction.

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| 0101 | Wayne Slater | Seats (Total: 25) |
| | Th 5:00pm - 7:45pm | EDU 0212 |

**EDCI687** **Applications of Computers in Instructional Settings**

**EDCI687 Applications of Computers in Instructional Settings; (3 credits)** Grade Method: REG/AUD.
Review and analysis of instructional software and computer-based learning environments from the standpoint of teaching, learning, and design theories. Integration of instructional and tool software into classroom settings.

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| 0101 | Tamara Clegg | Seats (Total: 20) |
| | Tu 4:15pm - 7:00pm<br>Class time/details on ELMs | EDU 2212<br>ONLINE |

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**EDCI688M** **Special Topics in Curriculum and Instruction; Mathematics in the Secondary Classroom**

**EDCI688M Special Topics in Curriculum and Instruction: Mathematics in the Secondary Classroom; (3 credits)** Grade Method: REG/AUD.

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| IHP1 | Thomas Coleman | Seats (Total: 20) |
| | **Meets January 24, 2013 - May 16, 2013** | |
| | Th 5:30pm - 8:30pm | Location: TBA |
| | *EDCI Outreach Secondary MCERT. Department permission required.* | |

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**EDCI688V** **Special Topics in Curriculum and Instruction; Connecting Arts Disciplines to the CORE Curriculum: Integrating Dance and Music into Math and Other Subjects**

**EDCI688V Special Topics in Curriculum and Instruction: Connecting Arts Disciplines to the CORE Curriculum: Integrating Dance and Music into Math and Other Subjects; (1-3 credits)** Grade Method: REG/AUD.

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| IHP1 | Karen Bradley, Lillian Pailen | Seats (Total: 20) |
| | Tu 4:15pm - 7:00pm | Location: TBA |
| | *Prerequisite: permission of department. EDCI Art Integration Program Outreach Offering. Contact Diane James at djames1@umd.edu.* | |

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**EDCI689** **Teaching Internship**

**EDCI689 Teaching Internship; (1-9 credits)** Grade Method: REG/AUD.

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| 0101 | Perla Blejer | Seats (Total: 5) |
| | Contact instructor or department for details. | |

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| CE01 | Karen Rehder | Seats (Total: 25) |
| | **Meets January 29, 2013 - May 14, 2013** | |
| | Contact instructor or department for details. | |
| | *EDCI MCERT Outreach Offering. Department permission required.* | |
| CE02 | Susan Hendricks | Seats (Total: 25) |
| | **Meets January 8, 2013 - May 14, 2013** | |
| | Tu 4:30pm - 7:30pm | Location: TBA |
| | *EDCI MCERT Outreach Offering. Department permission required. Contact Diane James at djames1@umd.edu.* | |
| CE03 | Peggy Wilson | Seats (Total: 20) |
| | **Meets January 23, 2013 - May 17, 2013** | |
| | Contact instructor or department for details. | |
| | *EDCI MCERT Outreach Offering. Department permission required.* | |
| CE04 | Perla Blejer | Seats (Total: 25) |
| | Contact instructor or department for details. | |
| CE05 | John Seelke | Seats (Total: 15) |
| | **Meets January 23, 2013 - May 17, 2013** | |
| | Contact instructor or department for details. | |
| | *EDCI MCERT Outreach Offering. Department permission required.* | |
| CE06 | Stacy Pritchett | Seats (Total: 15) |
| | **Meets January 23, 2013 - May 17, 2013** | |
| | Contact instructor or department for details. | |
| | *EDCI MCERT Outreach Offering. Department permission required.* | |
| CE07 | Catherine McCall | Seats (Total: 20) |
| | **Meets January 23, 2013 - May 17, 2013** | |
| | Contact instructor or department for details. | |
| | *EDCI MCERT Outreach Offering. Department permission required.* | |
| CE08 | Ali Selvi | Seats (Total: 15) |
| | **Meets January 23, 2013 - May 17, 2013** | |
| | Contact instructor or department for details. | |
| | *EDCI MCERT Outreach Offering. Department permission required.* | |

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| CE09 | Daniel Levin<br>**Meets January 23, 2013 - May 17, 2013**<br>Contact instructor or department for details.<br>*EDCI MCERT Outreach Offering. Department permission required.* | Seats (Total: 15) |
| IS11 | Lawrence Clark<br>Th 5:30pm - 7:30pm<br>*EDCI MSMART Outreach Offering: Department permission required. Contact Diane James at djames1@umd.edu* | Seats (Total: 13)<br>Location: TBA |

**EDCI698** **Conducting Research on Teaching**

**EDCI698** *(PermReq)* **Conducting Research on Teaching; (1-3 credits)** Grade Method: REG.
EDCI OUtreach mission of department.

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|---|---|---|
| 0101 | Linda Valli<br>Tu 4:30pm - 7:15pm | Seats (Total: 10)<br>EDU 2212A |
| IHP1 | Ann Schweighofer<br>**Meets January 29, 2013 - May 14, 2013**<br>Tu 4:00pm - 6:30pm | Seats (Total: 25)<br>Location: TBA |
| IHP2 | Kathleen Travers<br>**Meets January 26, 2013 - May 18, 2013**<br>Sa 9:00am - 1:00pm | Seats (Total: 25)<br>Location: TBA |
| IHP3 | James McGinnis<br>**Meets January 26, 2013 - May 18, 2013**<br>Sa 9:00am - 1:00pm | Seats (Total: 20)<br>Location: TBA |
| IHP4 | Saroja Barnes<br>**Meets January 26, 2013 - May 18, 2013**<br>Sa 9:00am - 1:00pm | Seats (Total: 20)<br>Location: TBA |
| IHP5 | Summer Clark<br>**Meets January 19, 2013 - May 11, 2013**<br>Sa 9:00am - 1:00pm<br>Class time/details on ELMs | Seats (Total: 20)<br>Location: TBA<br>ONLINE |

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| IHP9 | Kara Trenkamp | Seats (Total: 30) |
| | **Meets January 3, 2013 - May 26, 2013** | |
| | Class time/details on ELMs | ONLINE |

**EDCI730** **Language and Education**

**EDCI730 Language and Education; (3 credits)** Grade Method: REG/AUD. Dialect, language varieties in school settings; historical and current perspectives on the role of language in learning; theories of school achievement and consequences for language assessment.

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| 0101 | Jeff MacSwan | Seats (Total: 20) |
| | W 5:00pm - 7:45pm | EDU 1315 |

**EDCI732** **Second Language Acquisition**

**EDCI732 Second Language Acquisition; (3 credits)** Grade Method: REG/AUD. *Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department.* Major theoretical approaches to second language acquisition. For teaching English to speakers of other languages (TESOL).

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| IHP1 | Ali Selvi | Seats (Total: 15) |
| | **Meets January 29, 2013 - May 14, 2013** | |
| | Class time/details on ELMs | ONLINE |
| | *EDCI TESOL Outreach Offering. Department permission required.* | |

**EDCI754** **Foundations of Mathematics Education IV: Policy, Professional Development and Teacher Preparation**

**EDCI754 Foundations of Mathematics Education IV: Policy, Professional Development and Teacher Preparation; (3 credits)** Grade Method: REG/AUD. *Prerequisite: EDCI752 or EDCI753; or permission of EDUC-Teaching, Learning, Policy and Leadership department.* Preservice teacher education, professional development, and policy as agents of reform in mathematics education.

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| 0101 | Patricia Campbell | Seats (Total: 20) |
| | M 4:15pm - 7:00pm | EDU 2121 |

**EDCI758** **Research Seminar in Mathematics Education**

**EDCI758 Research Seminar in Mathematics Education; (1 credit)** Grade Method: REG/AUD.

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| 0101 | Daniel Chazan<br>F 9:00am - 11:00am | Seats (Total: 15)<br>EDU 2121 |

**EDCI776** **Urban Education**

**EDCI776 Urban Education; (3 credits)** Grade Method: REG/AUD.
This seminar provides students with a broad overview of urban education as a field of inquiry by examining the social context of urban schools, how transformative pedagogy is practiced and conceptualized as well as school reform.

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| 0101 | Victoria MacDonald<br>W 4:15pm - 7:00pm | Seats (Total: 30)<br>EDU 3233 |

**EDCI784** **Teaching, Professional Development and School Change**

**EDCI784 Teaching, Professional Development and School Change; (3 credits)** Grade Method: REG/AUD.
Examines currrent scholarship on professional development for K-12 teachers, characteristics of good professional development, and its relationship to teaching, learning, and school improvement.

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|---|---|---|
| 0101 | John O'Flahavan<br>M 4:15pm - 7:00pm | Seats (Total: 25)<br>EDU 0114 |

**EDCI788** **Selected Topics in Teacher Education; Selected Topics in Teacher Education**

**EDCI788 Selected Topics in Teacher Education: Selected Topics in Teacher Education; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**EDCI788D** **Selected Topics in Teacher Education; Current Research in Literacy Education**

**EDCI788D Selected Topics in Teacher Education: Current Research in Literacy Education; (1 credit)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Joseph McCaleb | Seats (Total: 15) |
| | Contact instructor or department for details. | |

**EDCI788E** **Selected Topics in Teacher Education; Research Seminar in Urban Education**

**EDCI788E Selected Topics in Teacher Education: Research Seminar in Urban Education; (2 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Victoria MacDonald | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**EDCI790** **Epistemological Bases of Education Research**

**EDCI790 Epistemological Bases of Education Research; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: EDCI780.* A course on research theory, method, and design issues for doctoral students. Focuses on conceptual and theoretical understanding of methodology, the broad rand of both qualitative and quantitative methodologies, and underlying epistemologies as they apply to the study of schools, curriculum, teaching, and teacher education.

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|---|---|---|
| 0101 | Andrew Brantlinger | Seats (Total: 30) |
| | Tu 4:15pm - 7:00pm | EDU 2121 |

**EDCI792** **Qualitative Research II: Analysis and Interpretation of Data**

**EDCI792 Qualitative Research II: Analysis and Interpretation of Data; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: EDCI791. Credit only granted for: EDCI692 or EDCI792. Formerly: EDCI692.* Uses data collected in EDCI791 to consider methods oof on-going data analysis, ways of knowing and writing about field research, issues of reflexivity, and the ethical and political decisions involved in crafting text. Students will read literature on and exemplars of multiple modes of qualitative data analysis and interpretation.

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|---|---|---|
| 0101 | Tirza Wilbon White | Seats (Total: 20) |
| | Tu 4:15pm - 7:00pm | EDU 1315 |

**EDCI798** **Special Problems in Teacher Education**

**EDCI798** *(PermReq)* **Special Problems in Teacher Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**EDCI798B** **Special Problems in Teacher Education; Revisioning Teacher Education**

**EDCI798B Special Problems in Teacher Education: Revisioning Teacher Education; (1-3 credits)** Grade Method: REG/AUD.
Meets 1st Wednesday of each month (Feb-May, 2012).

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|---|---|---|
| 0101 | David Imig, Linda Valli<br>W 11:15am - 2:50pm | Seats (Total: 15)<br>EDU 2212A |

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**EDCI799** **Master's Thesis Research**

**EDCI799 Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**EDCI858** **Seminar in Mathematics Education**

**EDCI858 Seminar in Mathematics Education; (1-3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Patricia Campbell<br>F 11:00am - 1:00pm<br>Contact instructor or department for details. | Seats (Total: 15)<br>EDU 2121 |

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**EDCI888** **Apprenticeship in Education**

**EDCI888** *(PermReq)* **Apprenticeship in Education; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**EDCI889** **Internship in Education**

**EDCI889** *(PermReq)* **Internship in Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**EDCI898** **Pre-Candidacy Research**

**EDCI898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**EDCI899** **Doctoral Dissertation Research**

**EDCI899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# EDCP Education Counseling and Personnel Services Spring 2013

**EDCP108B** **College and Career Advancement: Concepts and Skills; Learning Strategies**

**EDCP108B College and Career Advancement: Concepts and Skills: Learning Strategies; (1 credit)** Grade Method: REG/P-F/AUD.

| | | |
|---|---|---|
| 0101 | Brian Hart<br>Tu 12:30pm - 1:50pm | Seats (Total: 15)<br>ARC 1123 |
| 0201 | Raymond Miller<br>Tu 2:00pm - 3:20pm | Seats (Total: 15)<br>ASY 3219 |
| 0301 | Matthew Biggerstaff<br>Tu 2:00pm - 3:20pm | Seats (Total: 20)<br>ASY 3221 |
| 0401 | Beverly Greenfeig<br>**Meets March 14, 2013 - May 9, 2013**<br>Th 2:00pm - 3:50pm | Seats (Total: 20)<br>ARC 1125 |
| 0501 | Carrie Stocker<br>Th 12:30pm - 1:50pm | Seats (Total: 15)<br>ARC 1123 |

| | | |
|---|---|---|
| 0701 | Arifi Waked<br>Th 12:30pm - 1:50pm | Seats (Total: 20)<br>TLF 1103 |
| 0801 | Shirley Browner<br>Th 2:00pm - 3:20pm | Seats (Total: 20)<br>ASY 3221 |
| 0901 | Shirley Browner<br>**Meets March 11, 2013 - May 7, 2013**<br>M 2:00pm - 3:50pm | Seats (Total: 20)<br>ASY 3221 |
| 1001 | Beverly Greenfeig<br>M 3:00pm - 4:20pm | Seats (Total: 20)<br>SQH 1105 |

**EDCP108C** **College and Career Advancement: Concepts and Skills; Career Clarification: Choosing a Major**

**EDCP108C College and Career Advancement: Concepts and Skills: Career Clarification: Choosing a Major; (1 credit)** Grade Method: REG.
Recommended for freshman and sophomores needing to choose or clarify an academic major; juniors by permission of instructor. All sections of EDC P 108, except EDCP 108D, 108J and 108R are closed to Seniors.

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|---|---|---|
| 0101 | Noah Collins<br>**Meets February 4, 2013 - April 15, 2013**<br>M 2:00pm - 3:50pm | Seats (Total: 20)<br>HBK 0109 |
| 0201 | Rashanta Bledman, Trisha Raque-Bogdan<br>**Meets January 31, 2013 - April 11, 2013**<br>Th 9:00am - 10:50am | Seats (Total: 20)<br>TYD 0111 |

**EDCP108G** **College and Career Advancement: Concepts and Skills; Transfer Students in the University**

**EDCP108G College and Career Advancement: Concepts and Skills: Transfer Students in the University; (1 credit)** Grade Method: REG/P-F/AUD.
For transfer students.

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|---|---|---|
| 0101 | Barbara Goldberg<br>**Meets January 24, 2013 - April 7, 2013**<br>Th 12:30pm - 1:45pm | Seats (Total: 30)<br>EDU 3233 |

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|---|---|---|
| 0201 | Barbara Goldberg<br>**Meets January 30, 2013 - April 4, 2013**<br>M 2:00pm - 3:30pm | Seats (Total: 30)<br><br>LEF 1201 |

**EDCP108I** **College and Career Advancement: Concepts and Skills; Academic Transitions to Internships**

**EDCP108I College and Career Advancement: Concepts and Skills: Academic Transitions to Internships; (1 credit)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Jalisa Whitley<br>**Meets January 31, 2013 - April 10, 2013**<br>Tu 4:15pm - 5:30pm<br>*Restricted to students in Easton, Elkton, Oakland, and Denton Halls as ppart of the Syn*Quest Collaborative. Please direct questions to synquest@umd.edu.* | Seats (Total: 25)<br><br>OAK 0318 |

**EDCP108J** **College and Career Advancement: Concepts and Skills; Job Search Strategies**

**EDCP108J College and Career Advancement: Concepts and Skills: Job Search Strategies; (1 credit)** Grade Method: REG/AUD.

For students with Junior standing or above (or Sophomores, with permission of instructor) who are interested in learning about strategies for landing internships or full-time employment and being successful in their careers.

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|---|---|---|
| 0101 | Claire Jacobson<br>**Meets January 23, 2013 - April 5, 2013**<br>Th 2:00pm - 3:15pm | Seats (Total: 25)<br><br>HBK 3134 |
| 0201 | Claire Jacobson<br>**Meets January 31, 2013 - April 10, 2013**<br>Tu 1:00pm - 2:15pm | Seats (Total: 25)<br><br>HBK 3134 |
| 0301 | Kara Kehoe<br>**Meets January 24, 2013 - April 6, 2013**<br>W 10:00am - 11:15am | Seats (Total: 25)<br><br>HBK 3134 |
| 0401 | Kara Kehoe<br>**Meets January 23, 2013 - April 8, 2013**<br>W 1:00pm - 2:15pm | Seats (Total: 25)<br><br>HBK 3134 |

**EDCP108M** **College and Career Advancement: Concepts and Skills; Math Study Skills and Building Confidence**

**EDCP108M** *(PermReq)* **College and Career Advancement: Concepts and Skills: Math Study Skills and Building Confidence; (1 credit)** Grade Method: REG/AUD. Restricted to freshman and sophomore students. Other students may request enrollment with permission from the instructor. Once registered please check your email for information about the first class meeting.

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|---|---|---|
| 0101 | Kimberly Bethea<br>**Meets January 23, 2013 - March 28, 2013**<br>Contact instructor or department for details. | Seats (Total: 30) |
| 0201 | Kimberly Bethea<br>**Meets March 11, 2013 - May 9, 2013**<br>Contact instructor or department for details. | Seats (Total: 30) |

**EDCP217** **Introduction to Student Leadership**

**EDCP217 Introduction to Student Leadership; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Freshman standing; or sophomore standing. Credit only granted for: EDCP217 or EDCP317. Formerly: EDCP317.* Introduction to leadership theories, concepts, and skills. Completion of personal and leadership self-assessments, values exploration, and small group application. Students must pay a $30.00 materials fee.

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|---|---|---|
| 0101 | Stephanie Chang<br>TuTh 12:30pm - 1:45pm | Seats (Total: 25)<br>PLS 1117 |
| 0201 | Kourtney Temple, J Mario Peraza<br>TuTh 2:00pm - 3:15pm | Seats (Total: 25)<br>ARM 0119 |
| 0301 | Sean Pepin<br>MW 11:00am - 12:15pm | Seats (Total: 25)<br>EDU 3315 |
| 0401 | Lisa Alexander<br>TuTh 12:30pm - 1:45pm<br>*Section restricted to students living in Easton, Elkton, and Denton Halls as part of the Syn*Quest Collaborative. E-mail synquest@umd.edu for permission to enroll.* | Seats (Total: 20)<br>OAK 0204 |

| | | |
|---|---|---|
| 0501 | Edward Bempong<br>MW 3:30pm - 4:45pm | Seats (Total: 20)<br>OAK 0318 |
| | *Section restricted to students living in Easton, Elkton, and Denton Halls as part of the Syn*Quest Collaborative. E-mail synquest@umd.edu for permission to enroll.* | |

**EDCP220** **Introduction to Human Diversity in Social Institutions**

### EDCP220 Introduction to Human Diversity in Social Institutions; (3 credits)

Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies. This highly-interactive format focuses on individual and social identities in the U.S., group differences and intergroup relations, systems of privilege and oppression, and advocacy for social justice. Topics will include diversity related to race, ethnicity, gender, sexual orientation, social class, (dis)ability, and religion. Course fulfills CORE requirements in diversity, social/behavioral bases, and interdisciplinary study. Some sections restricted.

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|---|---|---|
| 0101 | Gloria Huh<br>MW 11:00am - 12:15pm | Seats (Total: 25)<br>EDU 2119 |
| 0201 | Katherine Ross<br>MW 11:00am - 12:15pm | Seats (Total: 25)<br>EDU 2102 |
| 0301 | Kevin Hughes<br>TuTh 9:00am - 10:30am | Seats (Total: 25)<br>JMZ 2123 |

**EDCP298** **Special Problems in Counseling and Personnel Services**

### EDCP298 Special Problems in Counseling and Personnel Services; (1-3 credits)

Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**EDCP310** **Peer Counseling Theory and Skills**

**EDCP310 Peer Counseling Theory and Skills; (3 credits)** Grade Method: REG/P-F/AUD.

The theories and skills of peer helping relationships. Counseling theories and skills at a level appropriate for students seeking basic level training for use in peer counseling settings.

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|---|---|---|
| 0101 | Ijeoma Ezeofor<br>TuTh 2:00pm - 3:15pm | Seats (Total: 25)<br>TLF 1101 |
| 0201 | Catherine Sanders<br>MW 11:00am - 12:15pm | Seats (Total: 25)<br>SQH 2119 |
| 0301 | Alisa Williams<br>MW 11:00am - 12:15pm | Seats (Total: 25)<br>HBK 1108 |
| 0401 | Benjamin Perlow<br>TuTh 8:00am - 9:15am | Seats (Total: 25)<br>EDU 1107 |

**EDCP315** **Student Leadership in Groups and Organizations**

**EDCP315 Student Leadership in Groups and Organizations; (3 credits)** Grade Method: REG/P-F/AUD.

*Recommended: EDCP217.* Acquiring and integrating leadership knowledge within group and organizational contexts so that students can navigate organizational environments and apply leadership in diverse communities of practice and career contexts. Students must pay a $35.00 materials fee.

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|---|---|---|
| 0101 | Steven Moffitt, Byron Meek<br>TuTh 12:30pm - 1:45pm | Seats (Total: 25)<br>TWS 1105 |
| 0201 | Lindsey Santiago, Robert Goodwin<br>TuTh 2:00pm - 3:15pm | Seats (Total: 25)<br>PHY 0405 |
| 0301 | Patrick Cashin, Preston Campbell<br>TuTh 3:30pm - 4:45pm | Seats (Total: 25)<br>KEY 0125 |
| 0401 | Courtney Holder, Dave Dessauer<br>MW 11:00am - 12:15pm<br>*Restricted to students admitted to the Minor in Leadership Studies. Ema l lsm-advise@umd.edu for permission to enroll.* | Seats (Total: 20)<br>TYD 0111 |

**EDCP318E** **Applied Contextual Leadership; Leadership for Peer Assisted Learning**

**EDCP318E** *(PermReq)* **Applied Contextual Leadership: Leadership for Peer Assisted Learning; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to students selected to participate as Peer Mentors with the Learning Assistance Service of the Counseling Center. Click here for more information.

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|---|---|---|
| 0101 | Paola Hernandez<br>Tu 3:30pm - 5:00pm | Seats (Total: 20)<br>EDU 3233 |

**EDCP318G** **Applied Contextual Leadership; Greek Presidents Class**

**EDCP318G** *(PermReq)* **Applied Contextual Leadership: Greek Presidents Class; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Corin Edwards<br>W 3:30pm - 6:30pm | Seats (Total: 55)<br>KEY 1117 |

**EDCP318I** **Applied Contextual Leadership; Leadership in Global Contexts**

**EDCP318I** *(PermReq)* **Applied Contextual Leadership: Leadership in Global Contexts; (3 credits)** Grade Method: REG/P-F/AUD.
Click here for more information.

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|---|---|---|
| 0101 | Negar Ashtari Abay, Daniel Ostick<br>Tu 5:00pm - 7:00pm<br>Contact instructor or department for details. | Seats (Total: 20)<br>HBK 3134 |

**EDCP318M** **Applied Contextual Leadership; Leadership and Education**

**EDCP318M** *(PermReq)* **Applied Contextual Leadership: Leadership and Education; (3 credits)** Grade Method: REG/P-F/AUD.
Permission of instructor. All interested students must go through the America Reads*America Counts application process before registering for the class. Contact instructor for more information.

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|---|---|---|
| 0101 | Alison Barlow<br>M 12:00pm - 2:00pm<br>Contact instructor or department for details. | Seats (Total: 25)<br>EDU 0202 |

**EDCP318N** **Applied Contextual Leadership; Leadership in Collaborative Learning Groups**

**EDCP318N** *(PermReq)* **Applied Contextual Leadership: Leadership in Collaborative Learning Groups; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to students selected to participate in the Guided Study Session program through the Learning Assistance Serve of the Counseling Center.

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|---|---|---|
| 0101 | Yanira Ortiz, Marcia Marinelli<br>W 5:00pm - 6:15pm<br>Contact instructor or department for details. | Seats (Total: 10)<br>KEY 0119 |
| 0201 | Yanira Ortiz, Marcia Marinelli<br>Th 3:30pm - 4:45pm<br>Contact instructor or department for details. | Seats (Total: 20)<br>KEY 0120 |

**EDCP318O** **Applied Contextual Leadership; Orientation Leader**

**EDCP318O** *(PermReq)* **Applied Contextual Leadership: Orientation Leader; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

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|---|---|---|
| 0101 | Stephen Roche, Lauren Norris<br>W 5:30pm - 8:00pm | Seats (Total: 25)<br>COL 0101 |

**EDCP318P** **Applied Contextual Leadership; Leadership through Coaching**

**EDCP318P Applied Contextual Leadership: Leadership through Coaching; (3 credits)** Grade Method: REG/P-F/AUD.
This class will explore the role of coaching in the development of leaders. Students will identify individual leadership strengths and will determine how those strengths can be utilized through their own interactions with others. Exploration of coaching styles and techniques including mentoring relationships and the application of those to group and team development will be discussed.

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|---|---|---|
| 0101 | Terry Zacker<br>TuTh 11:00am - 12:15pm | Seats (Total: 15)<br>ARC 1127 |

**EDCP318R** **Applied Contextual Leadership; Foundations and Applications of Challenge Course Theory and Instruction**

**EDCP318R** *(PermReq)* **Applied Contextual Leadership: Foundations and Applications of Challenge Course Theory and Instruction; (3 credits)** Grade Method: REG/P-F/AUD.
Click here for more information. Click here for more information.

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|---|---|---|
| 0101 | Michael Phaneuf<br>W 6:00pm - 9:00pm | Seats (Total: 20)<br>Location: TBA |

**EDCP318T** **Applied Contextual Leadership; Foundations and Applications of Adventure Leadership Instruction**

**EDCP318T** *(PermReq)* **Applied Contextual Leadership: Foundations and Applications of Adventure Leadership Instruction; (3 credits)** Grade Method: REG/P-F/AUD.
Required course to become an Adventure Trip Leader for the Maryland Adventure Program. Contact Amanda Even to arrange an interview: ameven@umd.edu. This is a leadership training course for individuals who are interested in leading groups in an outdoor adventure setting. Student selection is based on previous leadership experience, leadership potential, and technical outdoor experience.

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| 0101 | Amanda Even<br>W 6:00pm - 9:00pm | Seats (Total: 15)<br>ERC 0140 |

**EDCP318V** **Applied Contextual Leadership; Veteran Cadre Leadership**

**EDCP318V** *(PermReq)* **Applied Contextual Leadership: Veteran Cadre Leadership; (3 credits)** Grade Method: REG/P-F/AUD.
Permission of instructor. This course is restricted to student veterans selected to participate as part of a veteran student leadership mentoring team for entering and returning veteran students. Please contact tvanterp@umd.edu for more information.

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|---|---|---|
| 0101 | Tasha Vanterpool<br>W 2:15pm - 4:45pm | Seats (Total: 15)<br>KEY 0116 |

**EDCP386** **Experiential Learning**

**EDCP386** *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
*Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department; and junior standing or higher.* Special EDCP form required.

**Contact department for information to register for this course.**

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**EDCP417** **Advanced Leadership Seminar**

**EDCP417** *(PermReq)* **Advanced Leadership Seminar; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: EDCP217; or students who have taken courses with comparable content may contact the department. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department.* Students will analyze and synthesize the concept of leadership using cultural, ethical, sociological, historical perspectives. Exploration and reflection of personal values, decision making, in-depth analysis on various leadership activities. Theories will be emphasized. Prerequisite: EDCP217 or EDCP315. Permission of instructor.

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| 0101 | Daniel Ostick | Seats (Total: 20) |
| | F 9:00am - 11:45am | EDU 0202 |

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**EDCP418** **Special Topics in Leadership**

**EDCP418 Special Topics in Leadership; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| IHP1 | Debra Luecking | Seats (Total: 12) |
| | **Meets January 23, 2013 - March 18, 2013** | |
| | Class time/details on ELMs | ONLINE |
| | *EDCP Youth in Transition Program Outreach Offering. Enrollment restricted to program participants.* | |

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**EDCP418B** **Special Topics in Leadership; Black Student Leadership**

**EDCP418B Special Topics in Leadership: Black Student Leadership; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.

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|---|---|---|
| 0101 | Brandon Dula | Seats (Total: 20) |
| | TuTh 2:00pm - 3:15pm | EDU 2101 |

**EDCP418C** **Special Topics in Leadership; Latino Leadership**

**EDCP418C Special Topics in Leadership: Latino Leadership; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.

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|---|---|---|
| 0101 | Payne Hiraldo | Seats (Total: 20) |
| | Th 2:00pm - 4:45pm | TYD 1108 |

**EDCP418F** **Special Topics in Leadership; Jewish Leadership**

**EDCP418F Special Topics in Leadership: Jewish Leadership; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.
Also offered as JWST419L.

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|---|---|---|
| 0101 | Ari Israel | Seats (Total: 30) |
| | Th 2:00pm - 4:45pm | HBK 0108 |

**EDCP418G** **Special Topics in Leadership; Women's Leadership**

**EDCP418G Special Topics in Leadership: Women's Leadership; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.

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|---|---|---|
| 0101 | Marsha Guenzler-Stevens | Seats (Total: 20) |
| | Tu 2:00pm - 5:00pm | TYD 0102 |

**EDCP418I** **Special Topics in Leadership; LGBT Leadership**

**EDCP418I Special Topics in Leadership: LGBT Leadership; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.

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|---|---|---|
| 0101 | Otis Gaddis, Fiona Jardine | Seats (Total: 20) |
| | TuTh 12:30pm - 1:45pm | PLS 1168 |

**EDCP418J** **Special Topics in Leadership; Now What? Composing a Life of Meaning and Purpose**

**EDCP418J** *(PermReq)* **Special Topics in Leadership: Now What? Composing a Life of Meaning and Purpose; (3 credits)** Grade Method: REG/P-F/AUD.
Click here for more information.

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|---|---|---|---|
| 0101 | Barbara Jacoby<br>Tu 2:00pm - 4:45pm | Seats (Total: 15)<br>JMZ 0122 | |

**EDCP462** **Disability in American Society**

**EDCP462 Disability in American Society; (3 credits)** Grade Method: REG. CORE Diversity (D) Course.
*Restriction: Must have earned a minimum of 30 credits; and sophomore standing or higher.* Critical examination of the history of discrimination and analysis of current policies toward people with severe physical and mental disabilities.

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|---|---|---|---|
| 0101 | Ellen Fabian<br>W 9:00am - 12:00pm | Seats (Total: 20)<br>EDU 0206 | |

**EDCP470** **Introduction to Student Personnel**

**EDCP470** *(PermReq)* **Introduction to Student Personnel; (3 credits)** Grade Method: REG.
*Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department.* A systematic analysis of research and theoretical literature on a variety of major problems in the organization and administration of student personnel services in higher education. Included will be discussion of such topics as the student personnel philosophy in education, counseling services, discipline, housing, student activities, financial aid, health, remedial services, etc. Please contact Angela Jackson to get permission; ajackso6@umd.edu.

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|---|---|---|---|
| 0101 | Angela Jackson<br>M 4:00pm - 5:15pm<br>Tu 3:30pm - 5:00pm | Seats (Total: 9)<br>SQH 1120<br>OAK 0311 | Discussion |
| 0102 | Angela Jackson<br>M 4:00pm - 5:15pm<br>Tu 4:00pm - 5:30pm | Seats (Total: 9)<br>SQH 1120<br>OAK 0315 | Discussion |
| 0103 | Angela Jackson<br>M 4:00pm - 5:15pm<br>Tu 4:00pm - 5:30pm | Seats (Total: 9)<br>SQH 1120<br>ANN 1108A | Discussion |

| | | | |
|---|---|---|---|
| 0104 | Angela Jackson<br>M 4:00pm - 5:15pm<br>Tu 4:30pm - 6:00pm | Seats (Total: 9)<br>SQH 1120<br>SCC7 7106 | Discussion |
| 0105 | Angela Jackson<br>M 4:00pm - 5:15pm<br>W 3:30pm - 5:00pm | Seats (Total: 9)<br>SQH 1120<br>OAK 0311 | Discussion |
| 0106 | Angela Jackson<br>M 4:00pm - 5:15pm<br>W 4:00pm - 5:30pm | Seats (Total: 9)<br>SQH 1120<br>CCC 1205 | Discussion |
| 0107 | Angela Jackson<br>M 4:00pm - 5:15pm<br>W 4:30pm - 6:00pm | Seats (Total: 9)<br>SQH 1120<br>ANN 1108A | Discussion |
| 0108 | Angela Jackson<br>M 4:00pm - 5:15pm<br>Th 3:30pm - 5:00pm | Seats (Total: 9)<br>SQH 1120<br>OAK 0311 | Discussion |
| 0109 | Angela Jackson<br>M 4:00pm - 5:15pm<br>Th 4:00pm - 5:30pm | Seats (Total: 9)<br>SQH 1120<br>CCC 1115 | Discussion |
| 0201 | Angela Jackson<br>M 5:30pm - 6:45pm<br>Tu 3:30pm - 5:00pm | Seats (Total: 10)<br>SQH 1120<br>OAK 0311 | Discussion |
| 0202 | Angela Jackson<br>M 5:30pm - 6:45pm<br>Tu 4:00pm - 5:30pm | Seats (Total: 10)<br>SQH 1120<br>OAK 0315 | Discussion |
| 0203 | Angela Jackson<br>M 5:30pm - 6:45pm<br>Tu 4:00pm - 5:30pm | Seats (Total: 10)<br>SQH 1120<br>ANN 1108A | Discussion |
| 0204 | Angela Jackson<br>M 5:30pm - 6:45pm<br>Tu 4:30pm - 6:00pm | Seats (Total: 10)<br>SQH 1120<br>SCC7 7106 | Discussion |

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| 0205 | Angela Jackson<br>M 5:30pm - 6:45pm<br>W 3:30pm - 5:00pm | Seats (Total: 10)<br>SQH 1120<br>OAK 0311 | Discussion |
| 0206 | Angela Jackson<br>M 5:30pm - 6:45pm<br>W 4:00pm - 5:30pm | Seats (Total: 10)<br>SQH 1120<br>CCC 1205 | Discussion |
| 0207 | Angela Jackson<br>M 5:30pm - 6:45pm<br>W 4:30pm - 6:00pm | Seats (Total: 10)<br>SQH 1120<br>ANN 1108A | Discussion |
| 0208 | Angela Jackson<br>M 5:30pm - 6:45pm<br>Th 3:30pm - 5:00pm | Seats (Total: 10)<br>SQH 1120<br>OAK 0311 | Discussion |
| 0209 | Angela Jackson<br>M 5:30pm - 6:45pm<br>Th 4:00pm - 5:30pm | Seats (Total: 10)<br>SQH 1120<br>CCC 1115 | Discussion |
| 0301 | Angela Jackson<br>Contact instructor or department for details. | Seats (Total: 7) | |

**EDCP489** **Field Experiences in Counseling and Personnel Services**

**EDCP489** *(PermReq)* **Field Experiences in Counseling and Personnel Services; (1-4 credits)** Grade Method: REG. GenEd: Diversity - Understanding Plural Societies. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**EDCP498** **Special Problems in Counseling and Personnel Services**

**EDCP498** *(PermReq)* **Special Problems in Counseling and Personnel Services; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**EDCP499A** **Workshops, Clinics, Institutes; Transition to Careers in the Global Workplace**

**EDCP499A Workshops, Clinics, Institutes: Transition to Careers in the Global Workplace; (2 credits)** Grade Method: REG.
For Juniors and Seniors only. The purpose of this course is to help Juni ors/Seniors identify meaningful career paths and continuing education pl ans following college graduation.

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|---|---|---|
| 0101 | Linda Gast<br>Tu 10:00am - 11:50am | Seats (Total: 20)<br>KEY 0120 |
| 0201 | Linda Gast<br>Tu 1:00pm - 2:50pm | Seats (Total: 20)<br>PLS 1146 |

**EDCP611** **Career Development Theory and Programs**

**EDCP611 Career Development Theory and Programs; (3 credits)** Grade Method: REG/AUD.
Research and theory related to career and educational decisions; programs of related information and other activities in career decision.

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|---|---|---|
| IHP1 | Debra Luecking, Kelli Crane, Ellen Fabian<br>**Meets March 25, 2013 - May 18, 2013**<br>Class time/details on ELMs<br>*EDCP Youth in Transition Program Outreach offering. Enrollment restricted to program participants.* | Seats (Total: 12)<br><br>ONLINE |

**EDCP612** **Multicultural Issues in Counseling and Personnel Services**

**EDCP612 Multicultural Issues in Counseling and Personnel Services; (3 credits)** Grade Method: REG.
*Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department.* Socio-psychological, philosophical, clinical, and research topics related to the provision of counseling and personnel services, academic support, and career development for minority students on predominantly white college and university campuses. Implications of race and/or national origin on opportunities for personal, social, academic, and career development in educational settings.

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|---|---|---|
| 0101 | Courtland Lee<br>W 4:15pm - 7:00pm | Seats (Total: 20)<br>EDU 0206 |

**EDCP615** **Counseling I: Appraisal**

**EDCP615 Counseling I: Appraisal; (3 credits)** Grade Method: REG/AUD. *Corequisite: EDCP618. Restriction: Must be in a major within EDUC-Counseling, Higher Education and Special Education department.* Collection and interpretation of appraisal data, synthesis of data through case study procedures. Development of interview skills.

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|---|---|---|
| 0101 | Ellen Fabian, Jung Kim | Seats (Total: 20) |
| | Tu 4:15pm - 7:00pm | EDU 2102 |

**EDCP618** **Counseling Skills: Introduction to Practicum**
**Contact department for information to register for this course.**

**EDCP619D** **Practicum in Counseling; Practicum in School Counseling**

**EDCP619D Practicum in Counseling: Practicum in School Counseling; (3 credits)** Grade Method: REG.

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| 0101 | Jung Kim, Julia Bryan, Go Na | Seats (Total: 12) |
| | W 1:30pm - 4:00pm | EDU 0206 |

**EDCP625** **Counseling the Chemically Dependent**

**EDCP625** *(PermReq)* **Counseling the Chemically Dependent; (3 credits)** Grade Method: REG.
Chemical dependency and its effects on the individual's personal, social, and work functioning. Counseling procedures for persons with drug and alcohol problems.

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|---|---|---|
| 0101 | Marte Ostvik-De Wilde, Paul Gold | Seats (Total: 18) |
| | Class time/details on ELMs | ONLINE |

**EDCP630** **School-Based Behavioral Interventions**

**EDCP630 School-Based Behavioral Interventions; (3 credits)** Grade Method: REG.
*Restriction: Permission of instructor; and must be in a major in EDUC-College of Education.* Behavior assessment and intervention techniques from behavioral, cognitive-behavioral, and ecological models. Planning, implementation, and evaluation of behavior change techniques.

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|---|---|---|
| 0101 | William Strein<br>Tu 1:00pm - 3:45pm | Seats (Total: 10)<br>ARC 1127 |

**EDCP632** **Cognitive Assessment**

**EDCP632 Cognitive Assessment; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in the School Psychology program; or permission of EDUC-Counseling, Higher Education and Special Education department.* Assessment of cognitive functioning of children and adolescents in reference to school learning and behavior problems. Administering, scoring and interpreting cognitive assessment instruments commonly used in school systems.

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|---|---|---|
| 0101 | William Strein<br>M 9:30am - 12:15pm | Seats (Total: 10)<br>EDU 1210B |

**EDCP633** **Diagnostic Appraisal of Children I**

**EDCP633 Diagnostic Appraisal of Children I; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: EDCP632.* Assessment of development, emotional and learning problems of children.

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|---|---|---|
| 0101 | Hedwig Teglasi<br>Tu 10:30am - 1:15pm | Seats (Total: 10)<br>ARC 1121 |

**EDCP652** **Research in Counseling**
**Contact department for information to register for this course.**

**EDCP668A** **Special Topics in Rehabilitation; Job Development and Placement**
**Contact department for information to register for this course.**

**EDCP672** **Individual and Organizational Assessment in Student Affairs**

**EDCP672 Individual and Organizational Assessment in Student Affairs; (3 credits)** Grade Method: REG/AUD.
An examination of the scholarship and practice of assessment of college student learning and developmental outcomes as well as organizational practices that contribute to those outcomes.

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|---|---|---|
| 0101 | Nicole Long<br>Tu 7:00pm - 9:45pm | Seats (Total: 20)<br>EDU 3233 |

**EDCP680** **Basic Didactic Practicum in Counseling Psychology**

**EDCP680 Basic Didactic Practicum in Counseling Psychology; (3 credits)** Grade Method: S-F.
*Prerequisite: For Counseling Psychology majors only. Formerly: PSYC776.* In depth examination of counseling theories and techniques, and supervised experience in application of a range of counseling and therapy approaches.

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|---|---|---|
| 0101 | Ann Judge<br>M 10:00am - 1:00pm | Seats (Total: 6)<br>EDU 3236 |

**EDCP686** **Counseling Psychology Didactic Practicum in Career Interventions**

**EDCP686 Counseling Psychology Didactic Practicum in Career Interventions; (3 credits)** Grade Method: S-F.
*Prerequisite: For Counseling Psychology majors only. Formerly: EDCP777.* In depth examination of theorectical approaches and issues in career interventions; supervised experience in career counseling and assessment.

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|---|---|---|
| 0101 | Margaretha Lucas<br>W 1:00pm - 4:00pm | Seats (Total: 8)<br>EDU 2101 |

**EDCP693** **Assessment in Counseling Psychology ii**

**EDCP693 Assessment in Counseling Psychology ii; (3 credits)** Grade Method: REG.
*Prerequisite: For Counseling Psychology majors only. Also offered as: PSYC693. Formerly: EDCP789F.* Supervised experience in administration, scoring, and interpreting major psychodiagnostic instruments used by counseling psychologists, as well as writing integrative assessment reports. Emphasis on hypothesis testing approach to assessment and on the counseling interview as an assessment tool.

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|---|---|---|
| 0101 | Matthew Miller<br>Tu 10:00am - 1:00pm | Seats (Total: 20)<br>EDU 0206 |

**EDCP694** **Student Leadership Development**

**EDCP694 Student Leadership Development; (3 credits)** Grade Method: REG/AUD. *Credit only granted for: EDCP694 or EDCP789D. Formerly: EDCP789D.* Explores the development of leadership among college students including the study of leadership theory; a focus on how leadership is learned and developed; cultural demensions of leadership; and exposure to the current national scene in leadership associations, programs, and resources.

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|---|---|---|
| 0101 | Daniel Ostick | Seats (Total: 20) |
| | Tu 9:00am - 11:45am | EDU 2101 |

**EDCP715** **Appraisal Measures in Counseling**

**EDCP715 Appraisal Measures in Counseling; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: EDCP615 and EDMS646; or students who have taken courses with comparable content may contact the department.* Prerequisites: EDCP 615 and EDMS 646 or their equivalents. Interpretation and utilization in counseling of the career interest and personality measures.

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|---|---|---|
| 0101 | Margaretha Lucas | Seats (Total: 15) |
| | Contact instructor or department for details. | |

**EDCP717** **Evaluation of Research in Counseling**

**EDCP717 Evaluation of Research in Counseling; (3 credits)** Grade Method: REG/AUD.
*Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department.* Research on process and outcome in counseling. A review of research and appropriate research methodologies.

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|---|---|---|
| 0101 | Gary Gottfredson | Seats (Total: 15) |
| | W 11:00am - 2:00pm | EDU 3236 |

**EDCP738** **Practicum in Child Assessment**

**EDCP738 Practicum in Child Assessment; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Hedwig Teglasi | Seats (Total: 10) |
| | Th 9:00am - 12:15pm | Location: TBA |

**EDCP745** **Supervision of Counseling**

**EDCP745 Supervision of Counseling; (3 credits)** Grade Method: REG/AUD.
*Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department; and must be in a major within EDUC-Counseling, Higher Education and Special Education department.* Survey of knowledge base, research approaches, and applied skills in supervision of counseling.

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|---|---|---|
| 0101 | Courtland Lee | Seats (Total: 5) |
| | Contact instructor or department for details. | |

**EDCP771** **The College Student**

**EDCP771 The College Student; (3 credits)** Grade Method: REG/AUD.
A demographic study of the characteristics of college students as well as a study of their aspirations, values, and purposes.

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|---|---|---|
| 0101 | Kimberly Griffin | Seats (Total: 20) |
| | M 1:00pm - 3:45pm | EDU 0206 |

**EDCP773** **Designing Qualitative Research in Counseling and Student Affairs Contexts**

**EDCP773 Designing Qualitative Research in Counseling and Student Affairs Contexts; (3 credits)** Grade Method: REG/AUD.
Introduction to philosophical and epistemological foundations, methodologies and methods associated with qualitative research designs appropriate in student affairs and counseling contexts.

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| 0101 | Michelle Espino | Seats (Total: 20) |
| | Th 4:15pm - 7:00pm | EDU 3236 |

**EDCP788** **Advanced Practicum**

**EDCP788 Advanced Practicum; (1-6 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Courtland Lee | Seats (Total: 4) |
| | M 1:15pm - 4:00pm | EDU 2101 |

**EDCP789A** **Advanced Topics in Counseling and Personnel Services; First Year Seminar**

**EDCP789A Advanced Topics in Counseling and Personnel Services: First Year Seminar; (1 credit)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Gary Gottfredson, Dennis Kivlighan<br>W 2:30pm - 4:00pm | Seats (Total: 20)<br>EDU 1315 |

**EDCP789D** **Advanced Topics in Counseling and Personnel Services; The Brigade and the Academy**

**EDCP789D Advanced Topics in Counseling and Personnel Services: The Brigade and the Academy; (3 credits)** Grade Method: REG.

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|---|---|---|
| PCL1 | Joseph Thomas<br>W 9:00am - 12:00pm | Seats (Total: 16)<br>LUCE 211 |
| | *Restricted to MPLD majors. Open only to the Navy LEAD cohorts. Meets in LUCE211 at the US Naval Academy.* | |

**EDCP789N** **Advanced Topics in Counseling and Personnel Services; Therapeutic Approaches with Children**

**EDCP789N** *(PermReq)* **Advanced Topics in Counseling and Personnel Services: Therapeutic Approaches with Children; (3 credits)** Grade Method: REG.

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|---|---|---|
| 0101 | Colleen O'Neal<br>W 1:00pm - 3:45pm | Seats (Total: 10)<br>SQH 1117 |

**EDCP789T** **Advanced Topics in Counseling and Personnel Services; Program Planning**

**EDCP789T Advanced Topics in Counseling and Personnel Services: Program Planning; (3 credits)** Grade Method: REG.

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|---|---|---|
| 0101 | Julia Bryan<br>W 7:00pm - 9:45pm | Seats (Total: 20)<br>EDU 3233 |

**EDCP789W** **Advanced Topics in Counseling and Personnel Services; Introduction to Mental Disorders**

**EDCP789W Advanced Topics in Counseling and Personnel Services: Introduction to Mental Disorders; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Paul Gold<br>Contact instructor or department for details. | Seats (Total: 20) |

**EDCP789Z** **Advanced Topics in Counseling and Personnel Services; Foundations of Consultation and Collaboration**

**EDCP789Z Advanced Topics in Counseling and Personnel Services: Foundations of Consultation and Collaboration; (3 credits)** Grade Method: REG.

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|---|---|---|
| 0101 | Colleen O'Neal | Seats (Total: 10) |
| | M 1:00pm - 3:45pm | BPS 1232 |

**EDCP798** **Special Problems in Counseling and Personnel Services**

**EDCP798** *(PermReq)* **Special Problems in Counseling and Personnel Services; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**EDCP799** **Master's Thesis Research**

**EDCP799 Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**EDCP870** **Professional Issues Seminar**

**EDCP870 Professional Issues Seminar; (3 credits)** Grade Method: REG/AUD. *Credit only granted for: EDCP656 or EDCP870. Formerly: EDCP656.* Examination of issues that bear on professional issues such as ethics, inter-professional relationships and research. Open to School Counseling Students only.

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|---|---|---|
| 0101 | Paul Gold, Go Na, Marte Ostvik-De Wilde | Seats (Total: 10) |
| | Th 12:30pm - 3:15pm | EDU 2102 |

**EDCP888** **Apprenticeship in Counseling and Personnel Services**

**EDCP888** *(PermReq)* **Apprenticeship in Counseling and Personnel Services; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**EDCP888C** **Apprenticeship in Counseling and Personnel Services; School Psychology**

**EDCP888C Apprenticeship in Counseling and Personnel Services: School Psychology; (1-8 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | William Strein<br>Contact instructor or department for details. | Seats (Total: 15) |
| 0201 | Hedwig Teglasi<br>Contact instructor or department for details. | Seats (Total: 15) |
| 0401 | Gary Gottfredson<br>Contact instructor or department for details. | Seats (Total: 15) |
| 0501 | Judith Kinney<br>Contact instructor or department for details. | Seats (Total: 10) |

**EDCP888G** **Apprenticeship in Counseling and Personnel Services; School Counseling**

**EDCP888G** *(PermReq)* **Apprenticeship in Counseling and Personnel Services: School Counseling; (1-6 credits)** Grade Method: REG.
For school counseling students only.

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|---|---|---|
| 0101 | Courtland Lee<br>M 4:00pm - 6:45pm | Seats (Total: 10)<br>EDU 3233 |

**EDCP888T** **Apprenticeship in Counseling and Personnel Services; College Student Personnel Teaching Apprenticeship**

**EDCP888T Apprenticeship in Counseling and Personnel Services: College Student Personnel Teaching Apprenticeship; (6 credits)** Grade Method: REG/AUD.

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|---|---|---|
| PCL1 | Dennis Kivlighan, Elizabeth Niehaus<br>Th 9:00am - 11:45am<br>Contact instructor or department for details.<br>*Restricted to Navy LEAD cohorts (MPLD).* | Seats (Total: 20)<br>ARC 1123 |
| PCL2 | Elizabeth Niehaus, Dennis Kivlighan<br>Contact instructor or department for details.<br>*Restricted to Navy LEAD cohort (MPLD).* | Seats (Total: 6) |

**EDCP889** **Internship in Counseling and Personnel Services; Internship in Counseling and Personnel Services**

**EDCP889 Internship in Counseling and Personnel Services: Internship in Counseling and Personnel Services; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**EDCP898** **Pre-Candidacy Research**

**EDCP898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**EDCP899** **Doctoral Dissertation Research**

**EDCP899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

## EDHD Education, Human Development Spring 2013

**EDHD210** **Foundations of Early Childhood Education**

**EDHD210** *(PermReq)* **Foundations of Early Childhood Education; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course. GenEd: Distributive Studies - History and Social Sciences.
*Corequisite: EDHD220.* An overview of historical, philosophical, psychological, and contemporary influences on the field of early childhood education.

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|---|---|---|
| 0101 | Elisa Klein | Seats (Total: 30) |
| | Th 2:00pm - 5:00pm | HBK 0109 |

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**EDHD220** **Exploring Teaching in Early Childhood Education**

**EDHD220** *(PermReq)* **Exploring Teaching in Early Childhood Education; (3 credits)** Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice. *Corequisite: EDHD210.* Practicum with preschool children at the Center for Young Children, University lab school, and other preschools. Students reflect on personal strengths, identify areas of growth, and examine their predisposition to teach. Students should allow an appropriate amount of travel time from the off-campus experience to your classes meeting on campus.

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|---|---|---|---|
| 0101 | Stefanie Kain<br>Tu 2:00pm - 4:00pm<br>M 8:00am - 12:00pm | Seats (Total: 5)<br>CYC 1213<br>Location: TBA | Lab |
| 0102 | Stefanie Kain<br>Tu 2:00pm - 4:00pm<br>Tu 8:00am - 12:00pm | Seats (Total: 5)<br>CYC 1213<br>Location: TBA | Lab |
| 0103 | Stefanie Kain<br>Tu 2:00pm - 4:00pm<br>W 8:00am - 12:00pm | Seats (Total: 5)<br>CYC 1213<br>Location: TBA | Lab |
| 0104 | Stefanie Kain<br>Tu 2:00pm - 4:00pm<br>Th 8:00am - 12:00pm | Seats (Total: 5)<br>CYC 1213<br>Location: TBA | Lab |
| 0105 | Stefanie Kain<br>Tu 2:00pm - 4:00pm<br>F 8:00am - 12:00pm | Seats (Total: 5)<br>CYC 1213<br>Location: TBA | Lab |

**EDHD222** **Literature in the Early Childhood Classroom**

**EDHD222** *(PermReq)* **Literature in the Early Childhood Classroom; (3 credits)** Grade Method: REG.
*Restriction: Must be in Early Childhood Education program.* Introduces students to the realm of literature for young children. Through studying, reading, listening to and using books and poems, students develop an understanding about qualities in literature that are meaningful to children.

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| 0101 | Susan Keightley<br>M 1:30pm - 4:30pm | Seats (Total: 30)<br>CYC 1213 |

**EDHD230** **Human Development and Societal Institutions**

**EDHD230 Human Development and Societal Institutions; (3 credits)** Grade Method: REG/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Development of the individual in the context of relationships with the formal and informal institutions of society. An examination of various aspects of development from the broad perspective of the social sciences.

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|---|---|---|
| 0101 | Colleen Morrison<br>TuTh 11:00am - 12:15pm | Seats (Total: 45)<br>EDU 1121 |
| 0201 | Colleen Morrison<br>TuTh 2:00pm - 3:15pm | Seats (Total: 45)<br>EDU 1107 |
| 0301 | Sarah Eason<br>MW 11:00am - 12:15pm | Seats (Total: 45)<br>EDU 1121 |
| 0401 | Sarah Eason<br>MW 2:00pm - 3:15pm | Seats (Total: 45)<br>EDU 1107 |

**EDHD306** **Research Methods in Human Development**

**EDHD306 Research Methods in Human Development; (3 credits)** Grade Method: REG/AUD. GenEd: Fundamental Studies - Analytic Reasoning.
Addresses the scientific concepts and principles central to the study of human behavior and development. Students will learn about basic research methods in studying human behavior in developmental context and will participate in experiential activities, such as conducting observations and collecting self-report data. Major themes: goals of developmental research, fundamental research designs, types of measurement, elements of good scientific writing, and ethical issues in the study of human development.

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|---|---|---|
| 0101 | Katherine Muenks<br>TuTh 11:00am - 12:15pm<br>*Restricted to Human Development Minors. Department permission required.* | Seats (Total: 42)<br>SQH 1103 |
| 0201 | Katherine Muenks<br>TuTh 2:00pm - 3:15pm | Seats (Total: 45)<br>EDU 1121 |

**EDHD313** **Creative Experiences for Young Children**

**EDHD313** *(PermReq)* **Creative Experiences for Young Children; (3 credits)** Grade Method: REG.
*Restriction: Must be in Early Childhood Education program. Credit only granted for: EDHD313 or EDCI313. Formerly: EDCI313.* Provides preservice teachers with an understanding of the current research on the development of creativity and integration of the arts into an early childhood classroom.

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|---|---|---|
| 0101 | Elisa Klein | Seats (Total: 40) |
| | M 8:45am - 10:45am<br>Contact instructor or department for details. | EDU 0212 |

**EDHD314** **Reading in Early Childhood Classroom: Instructions and Materials Part I**

**EDHD314** *(PermReq)* **Reading in Early Childhood Classroom: Instructions and Materials Part I; (3 credits)** Grade Method: REG.
*Restriction: Must be in Early Childhood Education program.* This course introduces early childhood students to current research and methods on teaching reading.

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|---|---|---|
| 0101 | Meredith Rowe | Seats (Total: 40) |
| | M 2:00pm - 4:00pm<br>Contact instructor or department for details. | EDU 0212 |

**EDHD319** **Selected Topics in Human Development**

**EDHD319 Selected Topics in Human Development; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**EDHD320** **Human Development Through the Life Span**

**EDHD320 Human Development Through the Life Span; (3 credits)** Grade Method: REG/AUD. GenEd: Distributive Studies - History and Social Sciences.
Central concepts related to parameters of human development, individual and social, which arise throughout the life span. Continuity and change within the developing individual.

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|---|---|---|
| 0101 | Amy Ho<br>TuTh 2:00pm - 3:15pm | Seats (Total: 45)<br>SQH 1117 |
| 0201 | Peter Baggetta<br>MW 11:00am - 12:15pm | Seats (Total: 45)<br>TYD 2102 |
| 0301 | Amy Ho<br>TuTh 11:00am - 12:15pm | Seats (Total: 45)<br>HBK 0103 |
| 0401 | Robert Marcus<br>TuTh 11:00am - 12:15pm | Seats (Total: 45)<br>EDU 3315 |
| 0501 | Peter Baggetta<br>MW 9:30am - 10:45am | Seats (Total: 45)<br>TYD 2102 |

**EDHD386** **Experiential Learning**

**EDHD386** *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
*Restriction: Permission of EDUC-Human Development and Quantitative Methodology department; and junior standing or higher.*

**Contact department for information to register for this course.**

**EDHD400** **Introduction to Gerontology**

**EDHD400 Introduction to Gerontology; (3 credits)** Grade Method: REG/AUD. GenEd: Distributive Studies - History and Social Sciences.
Multidisciplinary survey of the processes of aging. Physiological changes, cultural forces, and self-processes that bear on quality of life in later years. Field study of programs, institutions for elderly, individual elders, their families and care providers.

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|---|---|---|
| 0101 | Elizabeth Robertson-Tchabo<br>Th 2:00pm - 4:45pm<br>Contact instructor or department for details. | Seats (Total: 180)<br>EGR 1202 |

**EDHD411** **Child Growth and Development**

**EDHD411 Child Growth and Development; (3 credits)** Grade Method: REG/AUD. GenEd: Distributive Studies - History and Social Sciences.
Theoretical approaches to and empirical studies of physical, psychological and social development from conception to puberty. Implications for home, school and community.

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| 0101 | Shelby Cooley, Melanie Killen<br>Tu 1:00pm - 3:45pm | Seats (Total: 40)<br>SQH 1119 |
| 0201 | Geetha Ramani<br>MW 2:00pm - 3:15pm<br>*This section is restricted to Education majors only with the following major codes: 0802L, 0802P, 0808L, 0808P* | Seats (Total: 25)<br>EDU 2119 |

**EDHD412** **Infant Development**

**EDHD412 Infant Development; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences.
Infant development across domains, including perceptual, motor, cognitive, language, social and emotional functioning from pre-natal through third year of life.

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|---|---|---|
| 0101 | Brenda Jones Harden<br>TuTh 11:00am - 12:15pm | Seats (Total: 40)<br>EDU 2119 |

**EDHD413** **Adolescent Development**

**EDHD413 Adolescent Development; (3 credits)** Grade Method: REG/AUD. GenEd: Distributive Studies - History and Social Sciences.
Adolescent development, including special problems encountered in contemporary culture. Observational component and individual case study.

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|---|---|---|
| 0101 | Allan Wigfield<br>TuTh 11:00am - 12:15pm<br>*Restricted to major codes 0831L,0831P, 0834L, 0834P, 0833L, 0833P, 0840L, 0840P, 0841L, 0841P, 0842L, 0842P, 08320* | Seats (Total: 40)<br>ARC 1105 |
| 0201 | Lauren Musu-Gillette<br>MW 9:30am - 10:45am | Seats (Total: 45)<br>EDU 3315 |

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|---|---|---|
| 0301 | Lauren Musu-Gillette<br>MW 2:00pm - 3:15pm | Seats (Total: 45)<br>HBK 0103 |

**EDHD414** **Development of the Scientific Mind Across the Lifespan**

**EDHD414 Development of the Scientific Mind Across the Lifespan; (3 credits)** Grade Method: REG.
*Recommended: EDHD320.* Study of the educational, cognitive, social, and cultural factors that underlie the development of the scientific mind across the lifespan.

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|---|---|---|
| 0101 | Kevin Dunbar<br>TuTh 12:30pm - 1:45pm | Seats (Total: 22)<br>EDU 0202 |

**EDHD415** **Social Competence in Young Children**

**EDHD415** *(PermReq)* **Social Competence in Young Children; (3 credits)** Grade Method: REG.
*Restriction: Must be in Early Childhood Education program; and junior standing or higher.* Students will discuss issues and topics relevant to the study of children's social competence, peer interactions, relationships, and groups. Includes field experience.

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| 0101 | Brenda Jones Harden<br>W 2:00pm - 5:00pm | Seats (Total: 40)<br>TWS null |

**EDHD419B** **Human Development and Learning in School Settings; Human Development and Learning**

**EDHD419B** *(PermReq)* **Human Development and Learning in School Settings: Human Development and Learning; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Advanced study of human development and learning in different phases of school program over a period of time. Restricted to students who completed EDHD419A in the preceding Fall semester. Students should allow an appropriate amount of travel time to transition from the off-campus experience to your classes meeting on campus.

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|---|---|---|
| 0101 | Megan Kelly<br>Tu 1:00pm - 4:00pm<br>Contact instructor or department for details. | Seats (Total: 28)<br>EDU 1315 |

**EDHD420** **Cognitive Development and Learning**

**EDHD420 Cognitive Development and Learning; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: EDHD320, EDHD411, PSYC341, or PSYC355; or permission of EDUC-Human Development and Quantitative Methodology department.* Current developmental theories of cognitive processes such as language, memory, and intelligence and how differences in cognitive level (infancy through adolescence) mediate learning of educational subject matters.

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|---|---|---|
| 0101 | David Miele<br>TuTh 9:30am - 10:45am | Seats (Total: 30)<br>EDU 3233 |
| 0201 | David Miele<br>TuTh 11:00am - 12:15pm | Seats (Total: 30)<br>EDU 3233 |

**EDHD424** **Culture and Community Perspectives: The Diverse World of the Child**

**EDHD424** *(PermReq)* **Culture and Community Perspectives: The Diverse World of the Child; (3 credits)** Grade Method: REG.
*Corequisite: EDHD419, EDHD314, EDHD313, and EDSP470. Restriction: Junior standing or higher; and must be in Early Childhood Education program.* Explores the development of the young child in the context of family and community, with particular emphasis on the impact of state, federal and school system policy on the child's world.

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|---|---|---|
| 0101 | Christy Tirrell-Corbin<br>M 11:00am - 1:00pm<br>Contact instructor or department for details. | Seats (Total: 40)<br>EDU 0212 |

**EDHD425** **Language Development and Reading Acquisition**

**EDHD425** *(PermReq)* **Language Development and Reading Acquisition; (3 credits)** Grade Method: REG.
This course focuses on young children's language development and the relationship between language and reading acquisition. Students will learn: concepts central to language development; language achievements at different ages; concepts of emergent literacy; models of reading acquisition and skilled reading. Restricted to the following education majors: 0802L, 0802P, 0823L, 0823P, 0808L and 0808P.

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|---|---|---|
| 0101 | Min Wang<br>M 1:00pm - 3:45pm | Seats (Total: 40)<br>EDU 3315 |

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|---|---|---|
| 0201 | Lesley Sand<br>W 1:00pm - 3:45pm | Seats (Total: 40)<br>EDU 3315 |

**EDHD426** **Cognition and Motivation in Reading: Reading in Content Areas I**

**EDHD426** *(PermReq)* **Cognition and Motivation in Reading: Reading in Content Areas I; (3 credits)** Grade Method: REG.
Students preparing for secondary teaching will learn the cognitive and motivational aspects of reading and learning from text in subjects of literature, science, history and mathematics. Different structured approaches to using text for content learning are presented. Classroom contexts that enable students to engage productively with diverse texts and internet resources are identified. Restricted to Education majors.

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|---|---|---|
| 0101 | Christopher Ellis<br>Th 4:15pm - 7:00pm | Seats (Total: 45)<br>EDU 3315 |

**EDHD430** **Adolescent Violence**

**EDHD430 Adolescent Violence; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PSYC100; or permission of EDUC-Human Development and Quantitative Methodology department.* Examines the roots of violence among adolescents and the extent to which this constitutes a problem in various settings. Research studies on its origins, prevention and intervention and implications for social policy are examined.

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| 0101 | Robert Marcus<br>TuTh 2:00pm - 3:15pm | Seats (Total: 40)<br>EDU 2119 |

**EDHD432** **Student Teaching Pre-K-3**

**EDHD432 Student Teaching Pre-K-3; (12 credits)** Grade Method: S-F.
*Prerequisite: EDHD323, EDHD322, EDHD321, EDHD435, and EDHD427. Corequisite: EDCI464. Restriction: Must be in Early Childhood Education program; and senior standing or higher.* Students must pay a $400.00 lab fee.

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|---|---|---|
| 0101 | Christy Tirrell-Corbin<br>Contact instructor or department for details. | Seats (Total: 40) |

**EDHD440** **Adult Development**

**EDHD440 Adult Development; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences.
*Prerequisite: EDHD320; or permission of EDUC-Human Development and Quantitative Methodology department. Recommended: EDHD413.* Major conceptual approaches to the study of adult development including physical, cognitive, social, emotional and self processes that take place within individuals as they progress from emerging adulthood through middle age.

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| 0101 | Elizabeth Robertson-Tchabo<br>W 9:30am - 12:15pm | Seats (Total: 40)<br>EDU 1107 |

**EDHD460** **Educational Psychology**

**EDHD460 Educational Psychology; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences.
*Prerequisite: PSYC100; or permission of EDUC-Human Development and Quantitative Methodology department. Additional information: May not be substituted for EDHD300 by students in professional teacher education programs.* Application of psychology to learning processes and theories. Individual differences, measurement, motivation, emotions, intelligence, attitudes, problem solving, thinking and communicating in educational settings.

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|---|---|---|
| 0101 | Alexandra List<br>MW 9:30am - 10:45am | Seats (Total: 45)<br>SQH 1117 |
| 0201 | Alexandra List<br>MW 12:30pm - 1:45pm | Seats (Total: 45)<br>EDU 2119 |

**EDHD489** **Field Experiences in Education**

**EDHD489** *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**EDHD498** **Special Problems in Education**

**EDHD498** *(PermReq)* **Special Problems in Education; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**EDHD498L** **Special Problems in Education; Parenting and Parent-Child Relationships**

**EDHD498L** *(PermReq)* **Special Problems in Education: Parenting and Parent-Child Relationships; (1-3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Kenneth Rubin | Seats (Total: 8) |
| | Contact instructor or department for details. | |

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**EDHD624** **Cognitive and Motivational Bases of Reading; Reading in Content Areas I and II**
**Contact department for information to register for this course.**

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**EDHD629** **Seminar for the Center for Children, Relationships, and Culture**

**EDHD629 Seminar for the Center for Children, Relationships, and Culture; (1 credit)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Geetha Ramani | Seats (Total: 25) |
| | W 12:20pm - 2:45pm | EDU 1121 |

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**EDHD635** **Adolescents at Risk**
**Contact department for information to register for this course.**

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**EDHD674** **Self Processes in Adolescence: Implications for Academic Achievement and School Adjustment**
**Contact department for information to register for this course.**

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**EDHD711** **Peer-Culture and Group Processes in Human Development**

**EDHD711 Peer-Culture and Group Processes in Human Development; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Permission of EDUC-Human Development and Quantitative Methodology department.* The process of group formation, role-taking and status-winning, and the emergence of the peer-culture during childhood and the evolution of the child society at different maturity levels to adulthood. The developmental tasks and adjustment problems associated with winning, belonging, and playing roles in the peer group.

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|---|---|---|
| 0101 | Kenneth Rubin | Seats (Total: 15) |
| | W 3:00pm - 5:45pm | EDU 1108 |

**EDHD718** **Apprenticeship in College Teaching**

**EDHD718** *(PermReq)* **Apprenticeship in College Teaching; (1 credit)** Grade Method: REG.

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|---|---|---|
| 0101 | Ann Battle | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**EDHD750** **Culture, Context, and Development**

**EDHD750 Culture, Context, and Development; (3 credits)** Grade Method: REG. This course will cover theory and research on cultural and contextual influences on social development.

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| 0101 | Judith Torney-Purta | Seats (Total: 20) |
| | M 4:15pm - 7:00pm | EDU 3315 |

**EDHD751** **Child Development and Poverty**

**EDHD751 Child Development and Poverty; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: EDHD720; or permission of EDUC-Human Development and Quantitative Methodology department.* This course examines the theoretical, methodological, and empirical literature on the effects of poverty on children's development from a multidisciplinary perspective. It includes basic concepts in methodology, measurement design, and issues related to connecting basic research on poverty and children to policy and program interventions.

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|---|---|---|
| 0101 | Natasha Cabrera<br>Th 10:00am - 12:45pm | Seats (Total: 20)<br>EDU 1108 |

**EDHD760** **Advanced Educational Psychology**

**EDHD760 Advanced Educational Psychology; (3 credits)** Grade Method: REG.
*Prerequisite: Prior course in educational psychology, learning, or cognition; or permission of EDUC-Human Development and Quantitative Methodology department.* Appplication of psychology to learning processes and theories. Individual differences, measurement, motivation, and intelligence.

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|---|---|---|
| 0101 | Patricia Alexander<br>M 1:00pm - 3:45pm | Seats (Total: 20)<br>EDU 1210B |

**EDHD779M** **Selected Topics in Human Development; Social Exclusion and Social Justice**

**EDHD779M Selected Topics in Human Development: Social Exclusion and Social Justice; (3 credits)** Grade Method: REG.

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|---|---|---|
| 0101 | Melanie Killen<br>Th 1:00pm - 3:45pm | Seats (Total: 20)<br>EDU 1108 |

**EDHD779O** **Selected Topics in Human Development; Where Worlds Meet: Social and Cognitive Development**

**EDHD779O Selected Topics in Human Development: Where Worlds Meet: Social and Cognitive Development; (3 credits)** Grade Method: REG.

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|---|---|---|
| 0101 | Geetha Ramani<br>Tu 1:00pm - 3:45pm | Seats (Total: 20)<br>EDU 2102 |

**EDHD780** **Research Methods in Human Development**

**EDHD780 Research Methods in Human Development; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: EDMS651; or permission of EDUC-Human Development and Quantitative Methodology department.* Research methodology for studying human development: research design, hypothesis formulation, instrument development, methodological and statistical approaches, survey of methodologies.

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|---|---|---|
| 0101 | Kevin Dunbar | Seats (Total: 20) |
| | M 9:00am - 11:45am | EDU 2101 |

**EDHD789** **Internship in Human Development**

**EDHD789** *(PermReq)* **Internship in Human Development; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**EDHD798** **Laboratory in Human Development**

**EDHD798** *(PermReq)* **Laboratory in Human Development; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Limited to human development majors.

**Contact department for information to register for this course.**

**EDHD799** **Master's Thesis Research**

**EDHD799** *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Limited to human development majors.

**Contact department for information to register for this course.**

**EDHD888** **Apprenticeship in Human Development Research**

**EDHD888** *(PermReq)* **Apprenticeship in Human Development Research; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**EDHD889** **Practicum in Human Development**

**EDHD889** *(PermReq)* **Practicum in Human Development; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**EDHD898** **Pre-Candidacy Research**

**EDHD898** *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**EDHD899** **Doctoral Dissertation Research**

**EDHD899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Limited to human development majors.

**Contact department for information to register for this course.**

# EDHI Education Leadership, Higher Ed and International Ed Spring 2013

**EDHI338** **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Intergroup Dialogue I**

**Contact department for information to register for this course.**

**EDHI338A** **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; People of Color/White People**

**EDHI338A** *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: People of Color/White People; (1 credit)** Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.
Click here for more course information.

| | | |
|---|---|---|
| 0101 | Angela Forest, Alison Mojto, Mark Brimhall<br>**Meets January 29, 2013 - March 12, 2013**<br>Tu 4:30pm - 6:30pm | Seats (Total: 14)<br><br>MMH 2411C |
| 0201 | Mark Brimhall, Judith Martinez, Natalie Vinski<br>**Meets March 25, 2013 - May 6, 2013**<br>M 4:30pm - 6:30pm | Seats (Total: 14)<br><br>MMH 2411C |

**EDHI338C** **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Men/Women**

**EDHI338C** *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Men/Women; (1 credit)** Grade Method: REG/P-F/AUD.
GenEd: Diversity - Cultural Competency.
Click here for more course information.

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|---|---|---|
| 0101 | Erin McClure, James Carlough, Mark Brimhall<br>**Meets January 31, 2013 - March 14, 2013**<br>Th 4:30pm - 6:30pm | Seats (Total: 14)<br><br>MMH 2411C |
| 0201 | Mark Brimhall, Mojisola Salau<br>**Meets March 27, 2013 - May 8, 2013**<br>W 4:30pm - 6:30pm | Seats (Total: 14)<br><br>MMH 2411C |

**EDHI338G** **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Interfaith/Secular**

**EDHI338G** *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Interfaith/Secular; (1 credit)** Grade Method: REG/P-F/AUD.
GenEd: Diversity - Cultural Competency.
Click here for more course information.

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|---|---|---|
| 0101 | Mark Brimhall, Toroitich Cherono, Belinda Huang<br>**Meets January 30, 2013 - March 13, 2013**<br>W 4:30pm - 6:30pm | Seats (Total: 14)<br><br>MMH 2411C |
| 0201 | Erik Hanson, Holly Ulmer, Mark Brimhall<br>**Meets March 26, 2013 - May 7, 2013**<br>Tu 4:30pm - 6:30pm | Seats (Total: 14)<br><br>MMH 2411C |

**EDHI338N** **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; LGBT/Heterosexual**

**EDHI338N** *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: LGBT/Heterosexual; (1 credit)** Grade Method: REG/P-F/AUD.
GenEd: Diversity - Cultural Competency.
Click here for more course information.

| | | |
|---|---|---|
| 0101 | Mark Brimhall, Calvin Sweeney, Sachi Edwards<br>**Meets January 28, 2013 - March 11, 2013**<br>M 4:30pm - 6:30pm | Seats (Total: 14)<br><br>MMH 2411C |

**EDHI338W** **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Story Circle (Size and Appearance)**

**EDHI338W** *(PermReq)* **Teaching and Learning about Cultural Diversity through Intergroup Dialogue: Story Circle (Size and Appearance); (1 credit)** Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.
Click here for more course information.

| | | |
|---|---|---|
| 0201 | Mark Brimhall, Jenny Denton<br>**Meets March 28, 2013 - May 9, 2013**<br>Th 4:30pm - 6:30pm | Seats (Total: 8)<br><br>MMH 2411C |

**EDHI489** **Field Experiences in Education**

**EDHI489** *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**EDHI498** **Special Problems in Education**

**EDHI498** *(PermReq)* **Special Problems in Education; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**EDHI498I** **Special Problems in Education; Learning About Cultural Diversity: US/India International Dialogue**

**EDHI498I Special Problems in Education: Learning About Cultural Diversity: US/India International Dialogue; (3 credits)** Grade Method: REG/P-F/AUD.
This course seeks to develop skills for communicating across differences in an international context. During this semester, students from the U niversity of Maryland will engage in class readings, assignments, and in formed dialogue with students from the Jaypee University of Information Technology in India via video conferencing technology. Click here for more course information.

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|---|---|---|
| 0101 | Gloria Bouis | Seats (Total: 12) |
| | TuTh 9:30am - 10:45am | MMH 2411C |

**EDHI647** **Context for Teaching and Learning**

**EDHI647 Context for Teaching and Learning; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: EDHI645 and EDHI646; or students who have taken courses with comparable content may contact the department. Credit only granted for: EDHI647, EDPL647, or EDPS647. Formerly: EDPL647.* Links between schooling and its social and cultural context provide the theoretical grounding for examination of current theories and practices for teaching and student learning that promote equity, diversity and school success.

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|---|---|---|
| IHP1 | Letitia Williams, Helene Cohen | Seats (Total: 25) |
| | **Meets January 23, 2013 - May 9, 2013** | |
| | Class time/details on ELMs | ONLINE |

**EDHI653** **Organization and Administration of Higher Education**

**EDHI653 Organization and Administration of Higher Education; (3 credits)** Grade Method: REG.
*Credit only granted for: EDHI653, EDPL653, or EDPS653. Formerly: EDPL653.* Basic concepts and terminology related to organizational behavior and institutional governance structures. The governance and organization of higher education in the United States.

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|---|---|---|
| 0101 | Alberto Cabrera | Seats (Total: 20) |
| | W 4:15pm - 7:00pm | EDU 2101 |

**EDHI662** **Research on Ethnic Minorities and Demographic Trends in Higher Education**

**EDHI662 Research on Ethnic Minorities and Demographic Trends in Higher Education; (3 credits)** Grade Method: REG.
*Credit only granted for: EDHI662, EDPL662, or EDPS662. Formerly: EDPL662.* Current research on ethnic minority student populations including issues of access, campus climate, racial identity, achievement and motivation. In addition to student issues, course examines issues for faculty of color in higher education, curriculum and teaching, and leadership and governance. The application of broad demographic changes in the nation and their impact on higher education over time.

| | | |
|---|---|---|
| 0101 | Sharon Fries-Britt | Seats (Total: 20) |
| | Tu 4:15pm - 7:00pm | EDU 2101 |

**EDHI665** **College Access and Choice**

**EDHI665 College Access and Choice; (3 credits)** Grade Method: REG/AUD.
*Credit only granted for: EDHI665 or EDHI788L. Formerly: EDHI788L.* Examines the college-going process, how and why some students successfully navigate it, and what policies and programs can help students from disadvantaged or underrepresented backgrounds overcome barriers to college access and entry.

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|---|---|---|
| 0101 | Alberto Cabrera | Seats (Total: 20) |
| | Th 4:15pm - 7:00pm | EDU 0202 |

**EDHI666** **The Academic Profession**

**EDHI666 The Academic Profession; (3 credits)** Grade Method: REG/AUD.
*Credit only granted for: EDHI666 or EDHI788P. Formerly: EDHI788P.* Explores how faculty demographics, discipline, graduate socialization, and organizational context (institutional type, mission, and culture) matter to critical higher edcuation outcomes, such as student learning, community engagement, research, shared governance and access and equity.

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|---|---|---|
| 0101 | KerryAnn O'Meara | Seats (Total: 20) |
| | M 4:15pm - 7:00pm | EDU 0206 |

**EDHI672** **Modes of Inquiry in Education Research**
**Contact department for information to register for this course.**

**EDHI679** **Master's Seminar**

**EDHI679 Master's Seminar; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**EDHI684** **Alternative Education, Alternative Development**

**EDHI684 Alternative Education, Alternative Development; (3 credits)** Grade Method: REG/AUD.
*Recommended: EDHI606. Credit only granted for: EDHI684 or EDHI788D. Formerly: EDHI788D.* A critical examination of the political economy of education and international development policies and practices. Focus is on the implications of these critiques for alternative education and development policies and practices.

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| 0101 | Steven Klees | Seats (Total: 20) |
| | Tu 4:15pm - 7:00pm | EDU 3236 |

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**EDHI689** **Practicum In Educational Administration and Supervision**

**EDHI689** *(PermReq)* **Practicum In Educational Administration and Supervision; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**EDHI701** **Applied Research and Data Based Decision Making**
**Contact department for information to register for this course.**

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**EDHI710** **Globalization and Education**

**EDHI710 Globalization and Education; (3 credits)** Grade Method: REG/AUD.
*Recommended: EDHI605. Credit only granted for: EDHI710 or EDHI788J. Formerly: EDHI788J.* Multiple education policies, practices, and innovations linked to economic, technological, and cultural dimensions of globalization are affecting education systems. The consequences of such forces on educational equality, equity, and quality, noting similarities and differences between industrialized and developing countries will be explored.

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|---|---|---|
| 0101 | Nelly Stromquist | Seats (Total: 20) |
| | M 7:00pm - 9:45pm | EDU 2102 |

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**EDHI740** **Managing Educational Organizations in a Diverse Society**

**EDHI740 Managing Educational Organizations in a Diverse Society; (3-6 credits)** Grade Method: REG/AUD.
*Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department. Credit only granted for: EDHI740, EDPL740, or EDPS740. Formerly: EDPL740.* Contemporary social and cultural influences that impact on the management of educational organizations in a diverse society. The effects on schools of changes in the economy, family structure, demographics and technology.

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|---|---|---|
| IH40 | Stephanie Brown | Seats (Total: 19) |
| | **Meets January 11, 2013 - March 16, 2013** | |
| | F 5:00pm - 8:00pm | Location: TBA |
| | Sa 9:00am - 4:00pm | Location: TBA |
| | Class time/details on ELMs | ONLINE |

**EDHI743** **Leadership Theory**

**EDHI743 Leadership Theory; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: EDHI642. Credit only granted for: EDHI743, EDPL743, or EDPS743. Formerly: EDPL743.* Critical analysis of contemporary leadership theoretical constructs. Consideration of implications for organizational improvement. Hybrid Delivery: some sessions will be conducted online.

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|---|---|---|
| 0101 | Hanne Mawhinney | Seats (Total: 12) |
| | Tu 7:00pm - 9:45pm | EDU 1315 |

**EDHI750** **International Higher Education**

**EDHI750 International Higher Education; (3 credits)** Grade Method: REG/AUD.
*Credit only granted for: EDHI750, EDPL750, or EDPS750. Formerly: EDPL750.* Comparison of higher education systems in several countries, and of the problems and issues in higher education faced by these countries.

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|---|---|---|
| 0101 | Jing Lin | Seats (Total: 20) |
| | W 4:15pm - 7:00pm | EDU 2121 |

**EDHI788M** **Special Topics in Education Policy and Administration; State-Level Higher Education Research**

**EDHI788M Special Topics in Education Policy and Administration: State-Level Higher Education Research; (1-3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Marvin Titus | Seats (Total: 20) |
| | W 7:00pm - 9:45pm | EDU 2119 |

**EDHI788O** **Special Topics in Education Policy and Administration; Seminar in Research-Based Leadership Practices**

**Contact department for information to register for this course.**

**EDHI789** **Doctoral Practicum in Administration and Supervision**

**EDHI789 Doctoral Practicum in Administration and Supervision; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**EDHI798** **Special Problems in Education**

**EDHI798** *(PermReq)* **Special Problems in Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**EDHI799** **Master's Thesis Research**

**EDHI799 Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**EDHI853** **Leadership in Higher Education**

**EDHI853 Leadership in Higher Education; (3 credits)** Grade Method: REG/AUD. *Prerequisite: EDHI653. Credit only granted for: EDHI853, EDPL853, or EDPS853. Formerly: EDPL853.* Theories of organizational leadership applied to institutions of higher education.

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|---|---|---|
| 0101 | Sharon Fries-Britt | Seats (Total: 20) |
| | Th 7:00pm - 9:45pm | EDU 3233 |

**EDHI889** **Internship in Education**

**EDHI889** *(PermReq)* **Internship in Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**EDHI895** **Research Critique Seminar**

**EDHI895 Research Critique Seminar; (3 credits)** Grade Method: REG/AUD. *Credit only granted for: EDHI895, EDPL895, or EDPS895. Formerly: EDPL895.* Critiques of research designs in preparation for the doctoral dissertation.

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|---|---|---|
| 0101 | Marvin Titus | Seats (Total: 20) |
| | M 4:15pm - 7:00pm | EDU 0212 |

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**EDHI898** **Pre-Candidacy Research**

**EDHI898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**EDHI899** **Doctoral Dissertation Research**

**EDHI899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

## EDMS Measurement, Statistics, and Evaluation — Spring 2013

**EDMS410** **Classroom Assessment**

**EDMS410** *(PermReq)* **Classroom Assessment; (3 credits)** Grade Method: REG/AUD.
*Restriction: Junior standing or higher.* Developing and using classroom assessments, including tests, performance assessments, rating scales, portfolios, observations and oral interactions; basic psychometric statistics; standard setting; grading; communicating assessment information; testing ethics; locating and evaluating measures; program evaluation and classroom research; assessments used for educational policy decisions.

| | | |
|---|---|---|
| 0101 | Kathryn Alvestad<br>TuTh 9:30am - 10:45am | Seats (Total: 30)<br>ONLINE |
| 0201 | Kathryn Alvestad<br>TuTh 2:00pm - 3:15pm | Seats (Total: 30)<br>WDS 1130 |

**EDMS451** **Introduction to Educational Statistics**

**EDMS451 Introduction to Educational Statistics; (3 credits)** Grade Method: REG/AUD. GenEd: Fundamental Studies - Analytic Reasoning.
*Restriction: Sophomore standing or higher. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200, or SOCY201.* Introduction to statistical reasoning; location and dispersion measures; computer applications; regression and correlation; formation of hypotheses tests; t-test; one-way analysis of variance; analysis of contingency tables.

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|---|---|---|
| 0101 | Xiulin Mao<br>TuTh 2:00pm - 3:15pm | Seats (Total: 80)<br>MCB 1207 |
| 0201 | Youngmi Cho<br>TuTh 12:30pm - 1:45pm | Seats (Total: 30)<br>EDU 1121 |
| 0301 | Daniel McNeish<br>MW 2:00pm - 3:15pm | Seats (Total: 30)<br>JMZ 2206 |

**EDMS623** **Applied Measurement: Issues and Practices**

**EDMS623 Applied Measurement: Issues and Practices; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: EDMS410. And EDMS645; or students who have taken courses with comparable content may contact the department.* Measurement theory and its application at an intermediate level; test development, validation and interpretation; issues and recent developments in measurement.

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|---|---|---|
| 0101 | Robert Lissitz<br>Tu 4:15pm - 7:00pm | Seats (Total: 25)<br>EDU 1107 |

**EDMS626** **Measurement Techniques For Research**

**EDMS626 Measurement Techniques For Research; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: EDMS646.* Theory, development and applications of various measurement instruments and procedures. Questionnaires, interviews, rating scales, attitude scales, observational procedures, ecological approaches, Q-sort, semantic-differential, sociometry and other techniques.

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|---|---|---|
| 0101 | Carolyn Fidelman<br>W 7:00pm - 9:45pm<br>*Departmental permission required.* | Seats (Total: 10)<br>ONLINE |
| IHP1 | Carolyn Fidelman<br>**Meets January 23, 2013 - May 8, 2013**<br>Class time/details on ELMs<br>*Outreach offering, EDMS PBCAE Program. Departmental permission required* | Seats (Total: 10)<br>ONLINE |

**EDMS645** **Quantitative Research Methods I**

**EDMS645 Quantitative Research Methods I; (3 credits)** Grade Method: REG/AUD. Research design and statistical applications in educational research: data representation; descriptive statistics; estimation and hypothesis testing. Application of statistical computer packages is emphasized. Contact Kathryn Alvestad at alvestad@umd.edu for information and instruc tions in obtaining permission to enroll.

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|---|---|---|
| 0201 | Jeffrey Harring<br>Th 4:15pm - 7:00pm | Seats (Total: 30)<br>EDU 0220 |

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|---|---|---|
| 0301 | Futoshi Yumoto<br>Th 7:00pm - 9:45pm | Seats (Total: 20)<br>ONLINE |
| IHP1 | Futoshi Yumoto<br>**Meets January 23, 2013 - May 8, 2013**<br>Class time/details on ELMs<br>*Outreach offering, EDMS PBCAE Program. Departmental permission required* | Seats (Total: 19)<br>ONLINE |

**EDMS646** **Quantitative Research Methods II**

**EDMS646 Quantitative Research Methods II; (3 credits)** Grade Method: REG/AUD. *Prerequisite: EDMS645.* A second-level inferential statistics course with emphasis on analysis of variance procedures and designs. Assignments include student analysis of survey data. Application of statistical computer packages is emphasized.

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|---|---|---|
| 0101 | Hong Jiao<br>W 4:15pm - 7:00pm | Seats (Total: 30)<br>EDU 3315 |

**EDMS651** **Applied Multiple Regression Analysis**

**EDMS651 Applied Multiple Regression Analysis; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: EDMS646; or students who have taken courses with comparable content may contact the department.* Multiple regression and correlation analysis; trend analysis; hierarchical and stepwise procedures; logistic regression; computer programs for regression analysis.

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|---|---|---|
| 0101 | Jeffrey Harring<br>M 4:15pm - 7:00pm | Seats (Total: 34)<br>EDU 1121 |

**EDMS722** **Structural Modeling**

**EDMS722 Structural Modeling; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: EDMS657.* Statistical theory and methods of estimation used in structural modeling; computer program applications; multisample models; mean structture models; structural models with multilevel data (e.g., sampling weights, growth models, multilevel latent variable models).

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|---|---|---|
| 0101 | Laura Stapleton | Seats (Total: 25) |
| | Tu 4:15pm - 7:00pm | EDU 0220 |

**EDMS724** **Modern Measurement Theory**

**EDMS724 Modern Measurement Theory; (3 credits)** Grade Method: REG/AUD. *Prerequisite: EDMS623 and EDMS651.* Theoretical formulations of measurement from a latent trait theory perspective.

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|---|---|---|
| 0101 | Hong Jiao | Seats (Total: 15) |
| | Th 4:15pm - 7:00pm | EDU 0206 |

**EDMS769V** **Special Topics in Applied Statistics in Education; Multi-Level Modeling**

**EDMS769V Special Topics in Applied Statistics in Education: Multi-Level Modeling; (3 credits)** Grade Method: REG/AUD.
Formerly: EDMS769S in Spring 2012.

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|---|---|---|
| 0101 | Laura Stapleton | Seats (Total: 20) |
| | M 4:15pm - 7:00pm | ASY 3219 |

**EDMS771** **Multivariate Data Analysis**

**EDMS771 Multivariate Data Analysis; (3 credits)** Grade Method: REG/AUD. *Prerequisite: EDMS651.* Principal components, canonical correlation, discriminant functions, multivariate analysis of variance/covariance and other multivariate techniques.

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|---|---|---|
| 0101 | Andre Rupp | Seats (Total: 30) |
| | Th 4:15pm - 7:00pm | EDU 1107 |

**EDMS798** **Special Problems in Education**

**EDMS798 Special Problems in Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**EDMS799** **Master's Thesis Research**

**EDMS799 Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**EDMS889** **Internship in Measurement and Statistics**

**EDMS889 Internship in Measurement and Statistics; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**EDMS898** **Pre-Candidacy Research**

**EDMS898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**EDMS899** **Doctoral Dissertation Research**

**EDMS899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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# EDPS Education Policy Studies Spring 2013

**EDPS210** **Historical and Philosophical Perspectives on Education**

**EDPS210 Historical and Philosophical Perspectives on Education; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
*Credit only granted for: EDPL210 or EDPS210. Formerly: EDPL210.* An examination of illustrative historical and philosophical examples of the interplay of ideas and events in the shaping of educational aims and practices from ancient cultures to modern technological societies.

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|---|---|---|
| 0101 | Steven Stakland | Seats (Total: 30) |
| | TuTh 11:00am - 12:15pm | EDU 1107 |

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|---|---|---|
| 0201 | Kathleen Hoyer<br>TuTh 9:30am - 10:45am | Seats (Total: 30)<br>EDU 0114 |
| 0301 | Kathleen Hoyer<br>TuTh 12:30pm - 1:45pm | Seats (Total: 30)<br>EDU 0114 |

**EDPS301** **Foundations of Education**

**EDPS301 Foundations of Education; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences.
*Credit only granted for: EDPL301 or EDPS301. Formerly: EDPL301.* Social context of education and conflicts over philosophies, values, and goals that are reflected in educational institutions in our pluralistic society. Helps teachers become reflective, critical thinkers about the social and philosophical issues they face and the choices they make.

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|---|---|---|
| 0101 | Dennis Herschbach<br>MW 9:30am - 10:45am | Seats (Total: 30)<br>EDU 1121 |
| 0201 | Dennis Herschbach<br>MW 11:00am - 12:15pm | Seats (Total: 30)<br>EDU 0114 |
| 0301 | Eleonor Castillo<br>TuTh 11:00am - 12:15pm | Seats (Total: 30)<br>EDU 0212 |
| 0401 | Brigitte Dubois<br>TuTh 2:00pm - 3:15pm | Seats (Total: 30)<br>EDU 0114 |
| 0501 | Steven Stakland<br>WF 9:30am - 10:45am | Seats (Total: 30)<br>EDU 0212 |

**EDPS489** **Field Experiences in Education**

**EDPS489** *(PermReq)* **Field Experiences in Education; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**EDPS498** **Special Problems in Education**

**EDPS498** *(PermReq)* **Special Problems in Education; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**EDPS614** **Politics of Education**

**EDPS614 Politics of Education; (3 credits)** Grade Method: REG/AUD.
*Credit only granted for: EDHI614, EDPL614, or EDPS614. Formerly: EDPL614.* Educational institutions as political entities. Focuses on conceptual perspectives for examining political dynamics in governmental and organizational contexts. Provides opportunities to carry out original case studies of policy making processes at various levels of the education policy system.

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|---|---|---|
| 0101 | Betty Malen | Seats (Total: 20) |
| | M 4:15pm - 7:00pm | EDU 2102 |

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**EDPS679** **Master's Seminar**

**EDPS679 Master's Seminar; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**EDPS751** **Law, Equity, and Diversity in Education**

**EDPS751 Law, Equity, and Diversity in Education; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: EDHI651 or EDHI671; or permission of instructor. Credit only granted for: EDHI751, EDPL751, or EDPS751. Formerly: EDPL751.* An examination of 'dilemmas of difference' on selected issues that arise at the intersection of law and education policy. Dilemmas and value conflicts imbedded in modern federal and state case law dealing with race, gender, sexual orientation, religion and disability.

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|---|---|---|
| 0101 | Thomas Davis | Seats (Total: 20) |
| | Tu 7:00pm - 9:45pm | EDU 1107 |

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**EDPS788E** **Special Topics in Education Policy and Administration; Cost Analysis**

**EDPS788E Special Topics in Education Policy and Administration: Cost Analysis; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Jennifer Rice | Seats (Total: 20) |
| | W 1:00pm - 3:45pm | EDU 2212 |

**EDPS788F** **Special Topics in Education Policy and Administration; Education Policy and the Politics of Education Reform**

**EDPS788F Special Topics in Education Policy and Administration: Education Policy and the Politics of Education Reform; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Tirza Wilbon White | Seats (Total: 24) |
| | W 4:15pm - 7:00pm | EDU 3236 |

**EDPS788K** **Special Topics in Education Policy and Administration; Alternative Learning and Democratic Schooling**

**EDPS788K Special Topics in Education Policy and Administration: Alternative Learning and Democratic Schooling; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Kellie Rolstad | Seats (Total: 20) |
| | Th 4:15pm - 7:00pm | EDU 2121 |

**EDPS788L** **Special Topics in Education Policy and Administration; Computer Assisted Qualitative Data Analysis**

**EDPS788L Special Topics in Education Policy and Administration: Computer Assisted Qualitative Data Analysis; (3 credits)** Grade Method: REG/AUD.
http://www.education.umd.edu/TLPL/DivL&P.html

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|---|---|---|
| 0101 | Hanne Mawhinney | Seats (Total: 12) |
| | M 7:00pm - 9:45pm | EDU 2101 |

**EDPS788R** **Special Topics in Education Policy and Administration; Research Apprenticeship**

**EDPS788R Special Topics in Education Policy and Administration: Research Apprenticeship; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Betty Malen, Robert Croninger | Seats (Total: 10) |
| | Th 4:15pm - 7:00pm | EDU 1315 |

**EDPS789** **Doctoral Practicum in Administration and Supervision**

**EDPS789 Doctoral Practicum in Administration and Supervision; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**EDPS798** **Special Problems in Education**

**EDPS798** *(PermReq)* **Special Problems in Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**EDPS799** **Master's Thesis Research**

**EDPS799 Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**EDPS888** **Apprenticeship in Education**

**EDPS888 Apprenticeship in Education; (1-8 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Dennis Herschbach | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**EDPS889** **Internship in Education**

**EDPS889** *(PermReq)* **Internship in Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**EDPS898** **Pre-Candidacy Research**

**EDPS898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**EDPS899** **Doctoral Dissertation Research**

**EDPS899** *(PermReq)* **Doctoral Dissertation Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# EDSP Education, Special Spring 2013

**EDSP210** **Introduction to Special Education**

**EDSP210 Introduction to Special Education; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Sophomore standing or lower; and permission of EDUC-Counseling, Higher Education and Special Education department. Credit only granted for: EDSP210 or EDSP470.* Characteristics and needs of individuals receiving special education and related services. Current issues and practices in special education.

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|---|---|---|---|
| 0101 | Carmen Constantinescu, Monica Simonsen<br>TuTh 12:30pm - 1:45pm | Seats (Total: 40)<br>EDU 0212 | |
| 0201 | Deirdre Barnwell, Carolyn Fink<br>TuTh 2:00pm - 3:15pm | Seats (Total: 40)<br>EDU 0212 | |

**EDSP289I** **Disability: From Stigma and Sideshow to Mainstream and Main Street**

**EDSP289I Disability: From Stigma and Sideshow to Mainstream and Main Street; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies; Signature Courses - I-Series.

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|---|---|---|---|
| 0101 | Carolyn Fink, Carmen Constantinescu<br>Tu 11:00am - 12:15pm<br>Th 11:00am - 12:15pm | Seats (Total: 20)<br>KEY 1117<br>EDU 1315 | Discussion |
| 0201 | Carolyn Fink, Carmen Constantinescu<br>Tu 11:00am - 12:15pm<br>Th 11:00am - 12:15pm | Seats (Total: 20)<br>KEY 1117<br>EDU 0206 | Discussion |

**EDSP403** **Instruction of Students with Physical Disabilities**

**EDSP403 Instruction of Students with Physical Disabilities; (3 credits)** Grade Method: REG/AUD.
*Also offered as: EDSP603. Credit only granted for: EDSP403 or EDSP603.* Assessment, curriculum, and instruction for students with physical disabilities. Focus on etiology, environmental and learning adaptations, and assistive technology.

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|---|---|---|
| 0101 | Frances Kohl<br>Tu 1:15pm - 4:00pm | Seats (Total: 35)<br>EDU 3315 |

**EDSP410** **Functional Reading and Community Based Instruction**

**EDSP410 Functional Reading and Community Based Instruction; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Must be in Special Education program. Also offered as: EDSP614. Credit only granted for: EDSP410 or EDSP614.* Functional assessment, curriculum, and instruction related to reading and community functioning skills for students with severe disabilities.

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|---|---|---|
| 0101 | Martha Moon<br>M 4:15pm - 7:00pm | Seats (Total: 35)<br>EDU 0220 |

**EDSP415** **Assessment in Special Education**

**EDSP415 Assessment in Special Education; (3 credits)** Grade Method: REG/AUD.
*Recommended: STAT100; or SOCY201. Restriction: Must be in Special Education program. Also offered as: EDSP615. Credit only granted for: EDSP415, or EDSP615.* Knowledge and skills for understanding assessment process and interpretation of assessment data. Emphasis on psychometric aspects of assessment related to screening, eligibility, and program planning.

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|---|---|---|
| 0101 | Marisa Mitchell, Jade Wexler<br>M 1:15pm - 4:00pm | Seats (Total: 35)<br>EDU 1121 |
| 0201 | Jade Wexler<br>W 4:15pm - 7:00pm | Seats (Total: 30)<br>EDU 0220 |

**EDSP416** **Reading and Writing Instruction in Special Education I**

**EDSP416 Reading and Writing Instruction in Special Education I; (3 credits)**
Grade Method: REG/AUD. GenEd: Distributive Studies - Humanities.
*Restriction: Must be in Special Education program. Also offered as: EDSP616. Credit only granted for: EDSP416 or EDSP616.* Assessment and instruction of reading and writing skills for students in special education.

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|---|---|---|---|
| 0101 | Rebecca Silverman, Kimberly Palombo<br>W 1:15pm - 4:00pm | Seats (Total: 40)<br>EDU 0212 | |

**EDSP423** **Assessment in Early Childhood Special Education**

**EDSP423 Assessment in Early Childhood Special Education; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in Special Education program. Also offered as: EDSP624. Credit only granted for: EDSP423 or EDSP624.* Assessment procedures for infants and young children with disabilities, birth through grade 3.

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|---|---|---|---|
| 0101 | Joan Lieber<br>M 4:15pm - 7:00pm | Seats (Total: 28)<br>EDU 1107 | |

**EDSP424** **Field Placement in Special Education: Early Childhood II**

**EDSP424 Field Placement in Special Education: Early Childhood II; (2-4 credits)**
Grade Method: REG/AUD.
*Restriction: Must be in Special Education program.* Field experience in early childhood special education. Students must reserve three half days (8-1) for this experience. Special education majors only.

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|---|---|---|---|
| 0101 | Deirdre Barnwell, Sandra Newcomb, M Brown<br>F 10:30am - 12:00pm<br>TuWTh 8:00am - 1:00pm | Seats (Total: 25)<br>EDU 1315<br>Location: TBA | <br><br>Lab |

**EDSP430** **Early Intervention: Early Childhood Special Education**

**EDSP430 Early Intervention: Early Childhood Special Education; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in Special Education program. Also offered as: EDSP631. Credit only granted for: EDSP430 or EDSP631.* Intervention with infants and young children with disabilities. Focus on moderate and severe disabilities.

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| 0101 | Sandra Newcomb, Paula Beckman<br>W 4:15pm - 7:00pm | Seats (Total: 15)<br>EDU 0202 |

**EDSP435** **Field Placement in Special Education: Secondary Middle II**

**EDSP435 Field Placement in Special Education: Secondary Middle II; (2-4 credits)** Grade Method: REG/AUD.
*Restriction: Must be in Special Education program.* Field experience in secondary middle special education.

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|---|---|---|---|
| 0101 | Carolyn Fink<br>F 10:30am - 12:00pm<br>TuWTh 8:00am - 1:00pm | Seats (Total: 25)<br>EDU 3236<br>Location: TBA | <br><br>Lab |

**EDSP454** **Field Placement in Special Education: Elementary II**

**EDSP454 Field Placement in Special Education: Elementary II; (2-4 credits)** Grade Method: REG/AUD.
*Restriction: Must be in Special Education program.* Field experience in elementary special education.

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|---|---|---|---|
| 0101 | Elizabeth Halloran-Tornquist, Carolyn Fink<br>F 10:30am - 12:00pm<br>TuWTh 8:00am - 1:00pm | Seats (Total: 25)<br>EDU 0206<br>Location: TBA | <br><br>Lab |

**EDSP470** **Introduction to Special Education**

**EDSP470 Introduction to Special Education; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Diversity - Understanding Plural Societies.
*Restriction: Must not have completed EDSP210. Credit only granted for: EDSP210 or EDSP470.* Designed to give an understanding of the needs of all types of exceptional children.

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|---|---|---|
| 0101 | Agnesanne Danehey<br>W 4:15pm - 7:00pm | Seats (Total: 50)<br>EDU 1107 |
| 0201 | Leslie Page-Voth, Susan De La Paz<br>TuTh 3:30pm - 4:45pm | Seats (Total: 50)<br>ARC 1101 |
| 0301 | Andrew Egel<br>M 4:15pm - 7:00pm | Seats (Total: 50)<br>EDU 2119 |

**EDSP474** **Assessment in Middle/Secondary Special Education**

**EDSP474 Assessment in Middle/Secondary Special Education; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Must be in Special Education program. Also offered as: EDSP674. Credit only granted for: EDSP474 or EDSP674.* Cognitive, vocational, and social assessment for students with disabilities. Emphasis on interpretation of assessment results and case management practices.

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| 0101 | Debra Neubert<br>W 1:15pm - 4:00pm | Seats (Total: 20)<br>EDU 2102 |

**EDSP476** **Communicating with Sign Language**

**EDSP476 Communicating with Sign Language; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: EDSP376. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department.* Intermediate level receptive/expressive skills in American Sign Language. Aspects of the culture, history, and research perspectives of the deaf community.

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|---|---|---|
| 0101 | Michael Dunham<br>MW 5:00pm - 6:15pm | Seats (Total: 30)<br>TWS 1107 |

**EDSP485** **Assessment and Instruction in Mathematics in Special Education**

**EDSP485 Assessment and Instruction in Mathematics in Special Education; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in Special Education program; or must be in one of the following programs (Special Education (Doctoral); Special Education (Master's)). Also offered as: EDSP683. Credit only granted for: EDSP485 or EDSP683.* Instructional methods and assessment in mathematics in special education.

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| 0101 | Jason Miller, Paula Maccini<br>Tu 4:15pm - 7:00pm<br>*This section is designed for Secondary/Middle Special Education majors and minors. Permission is required for minors.* | Seats (Total: 26)<br>EDU 3315 |
| 0201 | Kenneth Wright, Allyson Toronto<br>Th 4:15pm - 7:00pm<br>*This section is designed for Elementary Special Education majors and minors. Permission if required for minors.* | Seats (Total: 30)<br>EDU 3233 |

**EDSP489** **Field Experiences in Special Education**

**EDSP489 Field Experiences in Special Education; (1-4 credits)** Grade Method: REG/P-F/AUD.
Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department.

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|---|---|---|
| 0101 | M Brown<br>Contact instructor or department for details. | Seats (Total: 20) |

**EDSP498** **Special Problems in Special Education**

**EDSP498** *(PermReq)* **Special Problems in Special Education; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

**Contact department for information to register for this course.**

**EDSP603** **Instruction of Students with Physical Disabilities**

**EDSP603 Instruction of Students with Physical Disabilities; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Also offered as: EDSP403. Credit only granted for: EDSP403 or EDSP603.* Assessment, curriculum, and instruction for students with physical disabilities. Focus on etiology, environmental and learning adaptations, and assistive technology.

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|---|---|---|
| 0101 | Frances Kohl | Seats (Total: 35) |
| | Tu 1:15pm - 4:00pm | EDU 3315 |

**EDSP612** **Transition Methods and Disability Systems**

**EDSP612** *(PermReq)* **Transition Methods and Disability Systems; (3 credits)** Grade Method: REG/AUD.
*Restriction: Permission of instructor.* Philosophical and historical foundatins of transition service delivery and current methods that comprise transition services for students with disabilities.

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|---|---|---|
| 0101 | Debra Neubert | Seats (Total: 30) |
| | M 4:15pm - 7:00pm | SQH 2121 |

**EDSP614** **Advanced Topics in Functional Reading and Community Based Instruction**

**EDSP614 Advanced Topics in Functional Reading and Community Based Instruction; (3 credits)** Grade Method: REG.
*Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Also offered as: EDSP410. Credit only granted for: EDSP410 or EDSP614.* Functional assessment, curriculum, and instruction related to reading and community functioning skills for students with severe disabilities.

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|---|---|---|
| 0101 | Martha Moon | Seats (Total: 35) |
| | M 4:15pm - 7:00pm | EDU 0220 |

**EDSP615** **Evaluation and Measurement of Exceptional Children and Youth**

**EDSP615 Evaluation and Measurement of Exceptional Children and Youth; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: EDSP600 and EDMS646; or permission of EDUC-Counseling, Higher Education and Special Education department. Also offered as: EDSP415. Credit only granted for: EDSP415 or EDSP615.* Deals with the understanding and interpretation of the results of psychological and educational tests applicable for use with exceptional children and youth.

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|---|---|---|
| 0101 | Marisa Mitchell, Jade Wexler<br>M 1:15pm - 4:00pm | Seats (Total: 35)<br>EDU 1121 |
| 0201 | Jade Wexler<br>W 4:15pm - 7:00pm | Seats (Total: 30)<br>EDU 0220 |

**EDSP616** **Reading and Writing Instruction in Special Education I**

**EDSP616 Reading and Writing Instruction in Special Education I; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Also offered as: EDSP416. Credit only granted for: EDSP416 or EDSP616.* Assessment and instruction of reading and writing skills and strategies for students in special education.

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|---|---|---|
| 0101 | Rebecca Silverman, Kimberly Palombo<br>W 1:15pm - 4:00pm | Seats (Total: 40)<br>EDU 0212 |

**EDSP624** **Assessment in Early Childhood Special Education**

**EDSP624 Assessment in Early Childhood Special Education; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Also offered as: EDSP423. Credit only granted for: EDSP423 or EDSP624.* Assessment procedures for infants and young children with disabilities, birth through age eight.

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|---|---|---|
| 0101 | Joan Lieber<br>M 4:15pm - 7:00pm | Seats (Total: 28)<br>EDU 1107 |

**EDSP631** **Early Intervention: Early Childhood Special Education**

**EDSP631 Early Intervention: Early Childhood Special Education; (3 credits)**
Grade Method: REG/AUD.
*Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Also offered as: EDSP430. Credit only granted for: EDSP430 or EDSP631.* Intervention with infants and young children with disabilities. Focus on moderate and severe disabilities.

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| 0101 | Sandra Newcomb, Paula Beckman<br>W 4:15pm - 7:00pm | Seats (Total: 15)<br>EDU 0202 |

**EDSP664** **Issues and Models:Secondary/Middle Special Education**
**Contact department for information to register for this course.**

**EDSP665** **Families, Culture, and Disability**

**EDSP665 Families, Culture, and Disability; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: EDSP600. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department.* Current research on service delivery and cultural factors that influence families of children and youth with disabilities.

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|---|---|---|
| 0101 | Paula Beckman<br>Th 4:15pm - 7:00pm | Seats (Total: 20)<br>EDU 1121 |

**EDSP670** **Single Subject Research in Special Education**

**EDSP670 Single Subject Research in Special Education; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: EDSP600. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department.* Design, application, and analysis of single subject research in special education classrooms across all disabilities.

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|---|---|---|
| 0101 | Andrew Egel<br>Tu 4:15pm - 7:00pm | Seats (Total: 25)<br>EDU 0212 |

**EDSP673** **Evaluating Evidence-Based Practices in Special Education**

**EDSP673 Evaluating Evidence-Based Practices in Special Education; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: EDMS645. Recommended: EDSP670 and EDSP600. Credit only granted for: EDSP673 or EDSP798E. Formerly: EDSP798E.* Evaluating evidence-based practices in special education, by examining theoretical origins, use of causal designs, programmatic lines of research, and research syntheses to explore the development of what it means for an intervention to have the potential to significantly impact practice.

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| 0101 | Susan De La Paz | Seats (Total: 20) |
| | Th 5:00pm - 8:00pm | EDU 0114 |

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**EDSP674** **Assessment in Middle/Secondary Special Education**

**EDSP674 Assessment in Middle/Secondary Special Education; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Also offered as: EDSP474. Credit only granted for: EDSP474 or EDSP674.* Cognitive, vocational, and social assessment for students with disabilities. Emphasis on interpretation of assessment results and case management practices.

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| 0101 | Debra Neubert | Seats (Total: 20) |
| | W 1:15pm - 4:00pm | EDU 2102 |

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**EDSP683** **Assessment and Instruction in Mathematics in Special Education**

**EDSP683 Assessment and Instruction in Mathematics in Special Education; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Also offered as: EDSP485. Credit only granted for: EDSP485 or EDSP683.* Instructional methods and assessment in mathematics in special education.

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|---|---|---|
| 0101 | Jason Miller, Paula Maccini | Seats (Total: 26) |
| | Tu 4:15pm - 7:00pm | EDU 3315 |
| | *This section is designed for Secondary/Middle Special Education majors and minors. Permission required for minors.* | |

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|---|---|---|
| 0201 | Allyson Toronto, Kenneth Wright<br>Th 4:15pm - 7:00pm | Seats (Total: 30)<br>EDU 3233 |
| | *This section is designed for Elementary Special Education majors and minors. Permission required for minors.* | |

**EDSP690** **Teacher Candidate Research Seminar in Special Education**

**EDSP690 Teacher Candidate Research Seminar in Special Education; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program.* Required seminar for master's certification teacher candidates in special education focusing on research methods and applications with students having disabilities.

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|---|---|---|
| 0101 | Frances Kohl, Martha Moon<br>Contact instructor or department for details.<br>*Section 0101 is for Master's Certification Program students.* | Seats (Total: 15) |
| 0201 | Martha Moon, Frances Kohl<br>Contact instructor or department for details.<br>*Section 0201 is for 5-Year Program students.* | Seats (Total: 30) |

**EDSP694** **Graduate Internship in Special Education II: Early Childhood**

**EDSP694 Graduate Internship in Special Education II: Early Childhood; (6-11 credits)** Grade Method: REG/AUD.
*Corequisite: EDSP690. Restriction: Must be in Special Education program; or must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Credit only granted for: EDSP494, EDSP694, or EDSP889A.* Student teaching, full-time for twelve weeks, with infants or preschool children with disabilities.

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|---|---|---|
| 0101 | Diane Greig<br>Contact instructor or department for details. | Seats (Total: 25) |

**EDSP695** **Graduate Internship in Special Education II: Elementary**

**EDSP695 Graduate Internship in Special Education II: Elementary; (6-11 credits)** Grade Method: REG/AUD.
*Corequisite: EDSP690. Restriction: Must be in Special Education program; or must be in Special Education (Doctoral) program; or must not be in Special Education (Master's) program. Credit only granted for: EDSP495, EDSP694, or EDSP888A.* Student teaching, full-time for twelve weeks, with students with disabilities in elementary settings. Students must pay a $400.00 lab fee.

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| 0101 | Stacey Williams | Seats (Total: 25) |
| | Contact instructor or department for details. | |

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**EDSP696** **Graduate Internship in Special Education II: Secondary Middle**

**EDSP696 Graduate Internship in Special Education II: Secondary Middle; (6-11 credits)** Grade Method: REG/AUD.
*Corequisite: EDSP690. Restriction: Must be in Special Education program; or must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program. Credit only granted for: EDSP496, EDSP696, or EDSP889A.* Student teaching, full-time for twelve weeks, with students with disabilities in secondary or middle school settings. Students must pay a $400.00 lab fee.

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|---|---|---|
| 0101 | Patricia Ulf | Seats (Total: 25) |
| | Contact instructor or department for details. | |

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**EDSP798** **Special Problems in Special Education**

**EDSP798** *(PermReq)* **Special Problems in Special Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

**Contact department for information to register for this course.**

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**EDSP799** **Master's Thesis Research**

**EDSP799 Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

**Contact department for information to register for this course.**

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**EDSP875** **Policy Issues Affecting Individuals with Disabilities**

**EDSP875 Policy Issues Affecting Individuals with Disabilities; (3 credits)** Grade Method: REG/AUD.
*Restriction: Permission of instructor; or must be in Special Education (Doctoral) program; or must be in Special Education (Master's) program.* An analysis of current educational and disability issues and policies pertaining to children, youth, and adults with disabilities.

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| 0101 | Philip Burke | Seats (Total: 15) |
| | W 4:15pm - 7:00pm | Location: TBA |

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**EDSP888** **Apprenticeship in Special Education**

**EDSP888** *(PermReq)* **Apprenticeship in Special Education; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**EDSP888A** **Apprenticeship in Special Education; Apprenticeship in College Teaching**

**EDSP888A Apprenticeship in Special Education: Apprenticeship in College Teaching; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**EDSP889** **Internship in Special Education**

**EDSP889** *(PermReq)* **Internship in Special Education; (3-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

**Contact department for information to register for this course.**

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**EDSP898** **Pre-Candidacy Research**

**EDSP898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**EDSP899** **Doctoral Dissertation Research**

**EDSP899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Special education majors only.

**Contact department for information to register for this course.**

# EDUC Education Spring 2013

**EDUC388** **Special Topics in Education; Guided Experiences in College Teaching**

**EDUC388** *(PermReq)* **Special Topics in Education: Guided Experiences in College Teaching; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to students approved as undergraduate teaching assistants. Section 0101 and 0102 are reserved for standard UTA program and should be taken concurrently with EDHD 498, 1201 for one credit.

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|---|---|---|
| 0101 | Alexis Williams<br>Th 5:00pm - 7:00pm<br>Contact instructor or department for details.<br>*Relates to the standard UTA program and should be taken concurrently with EDHD 498, 1201 for one credit.* | Seats (Total: 30)<br>ASY 3211 |
| 0102 | Alexis Williams<br>Tu 5:00pm - 7:00pm<br>Contact instructor or department for details.<br>*Relates to the standard UTA program and should be taken concurrently with EDHD 498, 1201 for one credit.* | Seats (Total: 30)<br>EDU 3233 |
| 0201 | Sharon Vanwright<br>Contact instructor or department for details.<br>Contact instructor or department for details.<br>*Relates to Academic Achievement Program- should be taken concurrently w th EDCI 498, Section 6601.* | Seats (Total: 20) |

**EDUC388H** **Special Topics in Education; Honors Synthesis Seminar II**

**EDUC388H** *(PermReq)* **Special Topics in Education: Honors Synthesis Seminar II; (2 credits)** Grade Method: REG.
Seminar restricted to students admitted to the College of Education Honors Program.

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|---|---|---|
| 0101 | Christy Tirrell-Corbin<br>M 4:15pm - 6:15pm | Seats (Total: 20)<br>EDU 3236 |

**EDUC499H** **Honors Thesis**

**EDUC499H** *(PermReq)* **Honors Thesis; (1-6 credits)** Grade Method: REG/P-F. Course restricted to students admitted to College of Education honors program.

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|---|---|---|
| 0101 | Christy Tirrell-Corbin<br>Contact instructor or department for details. | Seats (Total: 14) |

**EDUC698E** **Advanced Topics in Education; International Program Fellows**
**Contact department for information to register for this course.**

**EDUC698O** **Advanced Topics in Education; Universal Design/AT for Learning and Literacy for English Language learners in General Classroom Settings**
**Contact department for information to register for this course.**

**EDUC888C** **Applied Apprenticeship in Education**

**EDUC888C Applied Apprenticeship in Education; (1-3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| IH40 | Patricia Richardson<br>**Meets April 12, 2013 - April 20, 2013**<br>F 5:00pm - 8:00pm<br>Sa 9:00am - 4:00pm<br>Class time/details on ELMs | Seats (Total: 19)<br><br>Location: TBA<br>Location: TBA<br>ONLINE |

# ENAE Engineering, Aerospace Spring 2013

**ENAE200** **Aerospace Engineering Profession II**

**ENAE200 Aerospace Engineering Profession II; (1 credit)** Grade Method: REG/P-F/AUD.
*Recommended: ENAE100. Restriction: Must be in Engineering: Aerospace program; and permission of ENGR-Aerospace Engineering department.* Overview of the engineering profession as it pertains to the role of the engineer in society, professional practice and ethical standards, career development, opportunities and need for lifelong learning, importance of safety and standards, effective written, visual, and oral communications, and the impact of the engineering profession on global issues.

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|---|---|---|---|
| 0101 | Norman Wereley, Aileen Hentz, Kevin Lewy<br>W 2:00pm - 3:00pm<br>M 2:00pm - 3:00pm | Seats (Total: 110)<br>CSI 1115<br>KEB 2107 | <br><br>Lab |

**ENAE202** **Aerospace Computing**

**ENAE202 Aerospace Computing; (3 credits)** Grade Method: REG.
*Corequisite: MATH140. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.* Introduction to computational tools for the solution of engineering problems. C++ & MATLAB programming including branching and loops, functions, file handling, arrays, and data structures. Students will be introduced to object-oriented programming, basic computing, algorithms, and principles of software engineering.

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|---|---|---|---|
| 0101 | Robert Sanner<br>MW 1:00pm - 1:50pm<br>Th 3:00pm - 5:00pm | Seats (Total: 25)<br>EGR 1202<br>KEB 2107 | <br><br>Lab |
| 0102 | Robert Sanner<br>MW 1:00pm - 1:50pm<br>F 3:00pm - 5:00pm | Seats (Total: 25)<br>EGR 1202<br>EGR 0312 | <br><br>Lab |
| 0103 | Robert Sanner<br>MW 1:00pm - 1:50pm<br>Th 1:00pm - 3:00pm | Seats (Total: 25)<br>EGR 1202<br>KEB 2107 | <br><br>Lab |
| 0104 | Robert Sanner<br>MW 1:00pm - 1:50pm<br>F 1:00pm - 3:00pm | Seats (Total: 25)<br>EGR 1202<br>EGR 0312 | <br><br>Lab |

**ENAE324** **Aerospace Structures**

**ENAE324 Aerospace Structures; (4 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: ENES220. Restriction: Must be in Engineering: Aerospace program.* Analysis of torsion, beam bending, plate bending, buckling and their application to aerospace.

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|---|---|---|---|
| 0101 | Mary Bowden | Seats (Total: 100) | |
| | MW 11:00am - 11:50am | KEB 1110 | |
| | F 11:00am - 12:50pm | KEB 1110 | Discussion |

**ENAE398H** **Honors Research Project**

**ENAE398H Honors Research Project; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ENAE404** **Space Flight Dynamics**

**ENAE404 Space Flight Dynamics; (3 credits)** Grade Method: REG. *Prerequisite: ENAE301. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.* Three-dimensional motion under central fields. Solutions to orbital motion, orbital elements, time elements. Kepler's laws. Orbital maneuvering, rendezvous and station-keeping. Rigid-body attitude dynamics, spacecraft attitude dynamics.

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|---|---|---|
| 0101 | Liam Healy | Seats (Total: 44) |
| | TuTh 9:30am - 10:45am | ARM 0110 |

**ENAE414** **Aerodynamics II**

**ENAE414 Aerodynamics II; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: ENAE311. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department. And junior standing or higher.* Aerodynamics of inviscid incompressible flows. Aerodynamic forces and moments. Fluid statics/buoyancy force. Vorticity, circulation, the stream function and the velocity potential. Bernoulli's and Laplace's equations. Flows in low speed wind tunnels and airspeed measurement. Potential flows involving sources and sinks, doublets, and vortices. Development of the theory of airfoils and wings.

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|---|---|---|
| 0101 | Anya Jones<br>TuTh 9:30am - 10:45am | Seats (Total: 65)<br>CSI 3117 |

**ENAE415** **Helicopter Theory**

**ENAE415 Helicopter Theory; (3 credits)** Grade Method: REG.
*Prerequisite: ENAE414. Restriction: Must be in Engineering: Aerospace program.* Elementary exposition on the theory and practice of aerodynamics applied to helicopters and other rotary wing aircraft.

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| 0101 | James Baeder<br>TuTh 12:30pm - 1:45pm | Seats (Total: 15)<br>EGR 1102 |

**ENAE420** **Computational Structural Mechanics**

**ENAE420 Computational Structural Mechanics; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENES220 and MATH241; and must have completed a course in linear algebra. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.* Introductory of finite element methods for aerospace engineering modeling and analysis; equips students with ability to understand manuals of commercial finite element analysis software.

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| 0101 | Sung Lee<br>TuTh 12:30pm - 1:45pm | Seats (Total: 35)<br>EGR 0135 |

**ENAE432** **Control of Aerospace Systems**

**ENAE432 Control of Aerospace Systems; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in ENAE301 and ENAE283. Restriction: Junior standing or higher; and must be in Engineering: Aerospace program.* An introduction to the feedback control of dynamic systems. Laplace transforms and transfer function techniques; frequency response and Bode diagrams. Stability analysis via root locus and Nyquist techniques. Performance specifications in time and frequency domains, and design of compensation strategies to meet performance goals.

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|---|---|---|
| 0101 | Robert Sanner<br>MWF 9:00am - 9:50am | Seats (Total: 120)<br>CHE 2110 |

**ENAE464** **Aerospace Engineering Laboratory**

**ENAE464 Aerospace Engineering Laboratory; (3 credits)** Grade Method: REG. *Prerequisite: ENAE324, ENAE362, ENAE311, and ENAE432. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.* Application of fundamental measuring techniques to measurements in aerospace engineering. Includes experiments in aerodynamics, structures, propulsion, flight dynamics and astrodynamics. Correlation of theory with experimental results.

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|---|---|---|---|
| 0101 | Allen Winkelmann<br>MW 8:00am - 8:50am<br>M 2:00pm - 5:00pm | Seats (Total: 14)<br>JMP 3201<br>EGL 0121 | <br><br>Lab |
| 0102 | Allen Winkelmann<br>MW 8:00am - 8:50am<br>Tu 2:00pm - 5:00pm | Seats (Total: 14)<br>JMP 3201<br>EGL 0121 | <br><br>Lab |
| 0103 | Allen Winkelmann<br>MW 8:00am - 8:50am<br>W 2:00pm - 5:00pm | Seats (Total: 14)<br>JMP 3201<br>EGL 0121 | <br><br>Lab |
| 0104 | Allen Winkelmann<br>MW 8:00am - 8:50am<br>Th 2:00pm - 5:00pm | Seats (Total: 14)<br>JMP 3201<br>EGL 0121 | <br><br>Lab |
| 0201 | Raymond Sedwick<br>MW 11:00am - 11:50am<br>Th 2:00pm - 5:00pm | Seats (Total: 18)<br>EGR 0135<br>EGR 1110 | <br><br>Lab |
| 0202 | Raymond Sedwick<br>MW 11:00am - 11:50am<br>F 2:00pm - 5:00pm | Seats (Total: 18)<br>EGR 0135<br>EGR 1110 | <br><br>Lab |

**ENAE471** **Aircraft Flight Testing**

**ENAE471 Aircraft Flight Testing; (3 credits)** Grade Method: REG.
*Prerequisite: ENAE414. Corequisite: ENAE403. Restriction: Must be in Engineering: Aerospace program.* Provides basic instruction to aircraft flight testing and demonstrates need for systematic, well-proven technique to allow for accurate airplane performance. Concepts of aerodynamics, airplane performance, and stability and control. Emphasis on single-engine general aviation type aircraft.

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| 0101 | John Leishman<br>MW 2:00pm - 3:15pm | Seats (Total: 20)<br>CHE 2116 |

**ENAE482** **Aeronautical Systems Design**

**ENAE482 Aeronautical Systems Design; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
*Prerequisite: ENAE455, ENAE423, ENAE403, and ENAE481. Restriction: Must be in Engineering: Aerospace program; and senior standing or higher.* Senior capstone design course in the aeronautics track. Introduction of computerized methods for sizing and performance analysis. More comprehensive methods to predict weight, aerodynamics and propulsion system characteristics. Consideration in design disciplines such as vulnerability, maintainability, produceability, etc. Groups of students will complete, brief and report on a major design study to specific requirements.

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| 0101 | Dominic Palumbo<br>MWF 1:00pm - 1:50pm | Seats (Total: 45)<br>EGR 1108 |
| 0201 | Sung Lee<br>MW 5:00pm - 6:15pm | Seats (Total: 12)<br>EGR 1102 |

**ENAE484** **Space Systems Design**

**ENAE484 Space Systems Design; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
*Prerequisite: ENAE423, ENAE483, ENAE441, and ENAE457. Restriction: Must be in Engineering: Aerospace program.* Senior capstone design course in the space track. Group preliminary design of a space system, including system and subsystem design, configuration control, costing, risk analysis, and programmatic development. Course also emphasizes written and oral engineering communications.

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|---|---|---|
| 0101 | David Akin | Seats (Total: 41) |
| | TuTh 11:00am - 12:15pm | ITV 1111 |

**ENAE488R** **Topics in Aerospace Engineering; Planetary Rover Development**

**ENAE488R** *(PermReq)* **Topics in Aerospace Engineering: Planetary Rover Development; (3 credits)** Grade Method: REG.

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|---|---|---|
| 0101 | David Akin | Seats (Total: 20) |
| | Contact instructor or department for details. | |

**ENAE499** **Elective Research**

**ENAE499** *(PermReq)* **Elective Research; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ENAE602** **Spacecraft Attitude Dynamics and Control**

**ENAE602 Spacecraft Attitude Dynamics and Control; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ENAE404 and ENAE432.* Rigid body rotational dynamics of spacecraft; forced and unforced motion, torques produced by the orbital environment; orbit/attitude coupling; gas jet, momentum wheel, and magnetic torque actuators. Elementary feedback attitude regulators and algorithms for linear and nonlinear attitude tracking.

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|---|---|---|
| 0101 | Jason Mitchell | Seats (Total: 30) |
| | M 5:30pm - 8:00pm | EGR 0108 |

**ENAE633** **Helicopter Dynamics**

**ENAE633 Helicopter Dynamics; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ENAE631. Or permission of ENGR-Aerospace Engineering department; and permission of instructor.* Flap dynamics. Mathematical methods to solve rotor dynamics problems. Flap-lag-torsion dynamics and identify structural and inertial coupling terms. Overview on rotary wing unsteady aerodynamics. Basic theory of blade aeroelastic stability and ground and air resonance stability, vibration analyses and suppression.

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|---|---|---|
| 0101 | Inderjit Chopra<br>TuTh 9:30am - 10:45am | Seats (Total: 20)<br>JMP 2222 |
| SM01 | Inderjit Chopra<br>TuTh 9:30am - 10:45am | Seats (Total: 5)<br>Location: TBA |

**ENAE634** **Helicopter Design**

**ENAE634 Helicopter Design; (3 credits)** Grade Method: REG/AUD. *Prerequisite: ENAE631. Or permission of ENGR-Aerospace Engineering department; and permission of instructor.* Principles and practice of the preliminary design of helicopters and similar rotary wing aircrafts. Design trend studies, configuration selection and sizing methods, performance and handling qualities analyses, structural concepts, vibration reduction and noise. Required independent design project conforming to a standard helicopter request for proposal (RFP).

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| 0101 | John Leishman, Inderjit Chopra, Vengalattore Nagaraj<br>F 1:00pm - 5:00pm | Seats (Total: 20)<br>EGR 3102 |

**ENAE635** **Helicopter Stability and Control**

**ENAE635 Helicopter Stability and Control; (3 credits)** Grade Method: REG/AUD. *Prerequisite: ENAE631. Restriction: Permission of ENGR-Aerospace Engineering department.* Advanced dynamics as required to model rotorcraft for flight dynamic studies. Development of helicopter simulation models and specifications of handling qualities. Methods for calculation of trim, poles, frequency response, and free flight response to pilot inputs.

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|---|---|---|
| 0101 | Roberto Celi<br>MW 11:00am - 12:15pm | Seats (Total: 10)<br>EGR 3111 |

**ENAE652** **Computational Structural Mechanics**

**ENAE652** *(PermReq)* **Computational Structural Mechanics; (3 credits)** Grade Method: REG.
*Restriction: Permission of instructor; and permission of ENGR-Aerospace Engineering department.* Fundamentals of structural mechanics and computational modeling. Finite element modeling of two- and three-dimensional solids, plates and shells. Geometrically nonlinear behavior. Structural stability such as buckling and postbuckling.

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| 0101 | Sung Lee<br>MW 5:10pm - 6:25pm | Seats (Total: 20)<br>JMP 2222 |
| SM01 | Sung Lee<br>MW 5:10pm - 6:25pm | Seats (Total: 5)<br>Location: TBA |
| TV01 | Sung Lee<br>MW 5:10pm - 6:25pm | Seats (Total: 5)<br>Location: TBA |

**ENAE656** **Aeroelasticity**

**ENAE656 Aeroelasticity; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ENAE655. Restriction: Permission of ENGR-Aerospace Engineering department.* Topics in aeroelasticity: wing divergence; aileron reversal; flexibility effects on aircraft stability derivatives; wing, empennage and aircraft flutter; panel flutter; aircraft gust response; and aeroservoelasticity of airplanes.

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|---|---|---|
| 0101 | David Haas<br>F 2:00pm - 4:45pm | Seats (Total: 20)<br>JMP 2222 |
| SM01 | David Haas<br>F 2:00pm - 4:45pm | Seats (Total: 5)<br>Location: TBA |
| TV01 | David Haas<br>F 2:00pm - 4:45pm | Seats (Total: 5)<br>Location: TBA |

**ENAE665** **Advanced Airbreathing Propulsion**

**ENAE665 Advanced Airbreathing Propulsion; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ENAE674 and ENAE455; or students who have taken courses with comparable content may contact the department. Restriction: Permission of instructor.* Advanced treatment of airbreathing propulsion technologies, propulsion system analysis, and engine/airframe integration. Topics will vary, but may include novel engine cycles, advanced gas turbine systems, pulsed systems, and high-speed engines, including scramjets and combined cycle systems.

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|---|---|---|
| 0101 | Kenneth Yu | Seats (Total: 20) |
| | TuTh 11:00am - 12:15pm | CHE 2136 |

**ENAE676** **Turbulence**

**ENAE676** *(PermReq)* **Turbulence; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ENAE672. Recommended: ENAE674.* Physical and statistical descriptions of turbulence; review of phenomenological theories for turbulent flows; scales of motion; correlations and spectra; homogeneous turbulent flows; inhomogeneous shear flows; turbulent flows in pipes and channels; turbulent boundary layers; theory of methods for turbulent flows (Reynolds stress equations, LES, DES, DNS); experimental methods for turbulence measurements.

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|---|---|---|
| 0101 | Pino Martin | Seats (Total: 15) |
| | MW 3:30pm - 4:45pm | EGR 3111 |

**ENAE685** **Computational Fluid Dynamics II**

**ENAE685 Computational Fluid Dynamics II; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ENAE684. Restriction: Permission of ENGR-Aerospace Engineering department.* Continuation of ENAE 684. Basic algorithms for the numerical solution of two and three dimensional inviscid and viscous flows. Applications to internal and external flow problems.

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|---|---|---|
| 0101 | James Baeder | Seats (Total: 20) |
| | TuTh 11:00am - 12:15pm | CHE 2116 |

**ENAE691** **Satellite Design**

**ENAE691 Satellite Design; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ENAE483.* Systems design of Earth-orbiting satellites, including geostationary communications satellites and low Earth orbit constellations. Basics of orbital motion, communications, and instrument design. Spacecraft systems, structural design, thermal design, power generation, and attitude determination and control. Launch vehicle interfacing and mission operations.

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|---|---|---|
| 0101 | John Hrastar<br>W 6:30pm - 9:00pm | Seats (Total: 20)<br>EGR 3106 |

**ENAE697** **Space Human Factors and Life Support**

**ENAE697 Space Human Factors and Life Support; (3 credits)** Grade Method: REG/AUD.
Engineering requirements supporting humans in space. Life support design: radiation effects and mitigation strategies; requirements for atmosphere; water, food, and temperature control. Accommodations for human productivity in space: physical and psychological requirements; work station design; and safety implication of system architectures. Design and operations for extra-vehicular activity.

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|---|---|---|
| 0101 | David Akin<br>TuTh 3:30pm - 4:45pm | Seats (Total: 30)<br>JMP 2121 |
| SM01 | David Akin<br>TuTh 3:30pm - 4:45pm | Seats (Total: 5)<br>Location: TBA |
| TV01 | David Akin<br>TuTh 3:30pm - 4:45pm | Seats (Total: 5)<br>Location: TBA |

**ENAE788G** **Selected Topics in Aerospace Engineering; Advanced Dynamics of Aero Systems**

**ENAE788G Selected Topics in Aerospace Engineering: Advanced Dynamics of Aero Systems; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Derek Paley<br>TuTh 11:00am - 12:15pm | Seats (Total: 15)<br>EGR 3106 |

**ENAE788P** **Selected Topics in Aerospace Engineering; Manuvering in Planetary Atmospheres**
**Contact department for information to register for this course.**

**ENAE788Z** **Selected Topics in Aerospace Engineering; Applied Linear Algebra and Variational Methods**
**Contact department for information to register for this course.**

**ENAE799** **Master's Thesis Research**

**ENAE799 Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ENAE898** **Pre-Candidacy Research**

**ENAE898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ENAE899** **Doctoral Dissertation Research**

**ENAE899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

## ENCE Engineering, Civil Spring 2013

**ENCE100** **Introduction to Civil and Environmental Engineering**

**ENCE100 Introduction to Civil and Environmental Engineering; (1 credit)** Grade Method: REG/P-F/AUD.
An overview of the department of Civil and Environment Engineering. Students are introduced to the undergraduate curriculum and will be exposed to other undergraduate and graduate students at various points in their program. The course blends panel presentations by seniors and graduate students, faculty and practitioners with a project and book review to be performed by the students.

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|---|---|---|
| 0101 | Kaye Brubaker | Seats (Total: 100) |
| | F 1:00pm - 1:50pm | EGR 1202 |

**ENCE200** **Civil Engineering Computation**

**ENCE200** *(PermReq)* **Civil Engineering Computation; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENES100, MATH141, and ENES102; and permission of ENGR-Civil & Environmental Engineering department. Credit only granted for: ENCE200 or ENCE202. Formerly: ENCE202.* Development of knowledge and skills in managing, analyzing, interpreting, and communicating spatial information. Computer Aided Drawing (CAD) and Geographic Information Systems (GIS) are introduced in the context of civil and environmental engineering applications.

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| 0101 | Frank White, Elise Miller-Hooks<br>MW 2:00pm - 3:15pm | Seats (Total: 37)<br>EGR 1156 |
| 0201 | Elise Miller-Hooks, Frank White<br>MW 3:30pm - 4:45pm | Seats (Total: 37)<br>EGR 1156 |

**ENCE201** **Engineering Information Processing**

**ENCE201** *(PermReq)* **Engineering Information Processing; (3 credits)** Grade Method: REG.
*Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. Credit only granted for: ENCE201 or ENCE203.* Exploration of algorithms for solving problems in several important areas of numerical computing: roots of equations; matrix algebra and the systems of linear equations; function approximation, numerical differentiation and integration; and ordinary differential equations. Issues of solution accuracy, robustness, and efficiency are also considered. Numerical techniques are presented in the context of engineering applications, and example problems are solved using a variety of computer-based tools (primarily MATLAB).

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| 0101 | Charles Schwartz<br>MWF 2:00pm - 2:50pm | Seats (Total: 43)<br>EGR 1108 |
| 0201 | Peter Chang<br>MWF 2:00pm - 2:50pm | Seats (Total: 60)<br>KEB 1110 |

**ENCE215** **Engineering for Sustainability**

**ENCE215** *(PermReq)* **Engineering for Sustainability; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: CHEM135; and permission of ENGR-Civil & Environmental Engineering department.* Engineers have a key role to play in planning, designing, building, and ensuring a sustainable future. In this class, a problem-based approach is used to examine fundamentally-based analyses and approaches for engineering as sustainable society, with a focus on sustainable use of energy and materials, sustainable infrastructure solutions, atmospheric sustainability and sustainable water supply, and human population growth and resource consumption and its implications for sustainability.

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| 0101 | Kyla Gregoire<br>TuTh 9:30am - 10:45am | Seats (Total: 65)<br>KEB 1110 | |

**ENCE300** **Fundamentals of Engineering Materials**

**ENCE300** *(PermReq)* **Fundamentals of Engineering Materials; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENES220; and permission of ENGR-Civil & Environmental Engineering department.* Behavior, physical, mechanical and chemical properties, design and performance of civil engineering materials, including aggregates, cement, concrete, asphalt binders and mixtures, plastics and geosynthetics, timber, metals and alloys. Modified and advanced highway materials (polymer and rubber modified mixtures, high performance concrete, composites, smart materials). Laboratory testing with hands-on experience on aggregates, Portland cement concrete, asphalt mixtures, timber and metals as per SUPERAVE, ACI design methods, and ASTM standards and specifications.

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| 0102 | Dimitrios Goulias<br>W 1:00pm - 3:00pm<br>Th 12:00pm - 2:00pm | Seats (Total: 15)<br>EGR 0110<br>EGL 0110E | <br><br>Lab |
| 0103 | Dimitrios Goulias<br>W 1:00pm - 3:00pm<br>Th 2:00pm - 4:00pm | Seats (Total: 15)<br>EGR 0110<br>EGL 0110E | <br><br>Lab |
| 0104 | Dimitrios Goulias<br>W 1:00pm - 3:00pm<br>Th 4:00pm - 6:00pm | Seats (Total: 15)<br>EGR 0110<br>EGL 0110E | <br><br>Lab |

**ENCE302** **Probability and Statistics for Civil and Environmental Engineers**

**ENCE302** *(PermReq)* **Probability and Statistics for Civil and Environmental Engineers; (3 credits)** Grade Method: REG.
*Prerequisite: MATH246 and ENCE201; and permission of ENGR-Civil & Environmental Engineering department.* Statistics is the science of data. Civil Engineers must often make decisions based on incomplete, variable or uncertain information. In addition, modern methods of design and analysis need to account for variability in natural, engineered and human systems. After successful completion of this class, a student should have facility and familiarity with established basic techniques for managing data, modeling variability and uncertainty, communicating about data and decisions, and supporting or defending a decision or judgment based on uncertain or incomplete data.

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|---|---|---|
| 0101 | David Lovell<br>MWF 2:00pm - 2:50pm | Seats (Total: 65)<br>EGR 1202 |

**ENCE305** **Fundamentals of Engineering Fluids**

**ENCE305** *(PermReq)* **Fundamentals of Engineering Fluids; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PHYS261, ENES220, and PHYS260; and permission of ENGR-Civil & Environmental Engineering department. Credit only granted for: ENCE305 or ENCE330. Formerly: ENCE330.* The theoretical bases for fluid statics and dynamics, including the conservation of mass, energy and momentum. Modeling of hydraulic systems are introduced. Emphasis on pipe flow and open-channel hydraulics, with real-world applications.

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| 0201 | Barton Forman<br>MWF 8:00am - 8:50am | Seats (Total: 45)<br>EGR 1108 |
| 0301 | Richard McCuen<br>MWF 10:00am - 10:50am | Seats (Total: 40)<br>EGR 1104 |

**ENCE310** **Introduction to Environmental Engineering**

**ENCE310** *(PermReq)* **Introduction to Environmental Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PHYS260 and ENCE215; and permission of ENGR-Civil & Environmental Engineering department.* Introduction to the physical, chemical and biological systems relating to the quality of water, land and air environments. Fundamental principles will be emphasized, current environmental pollution problems will be examined and methods of pollution abatement discussed.

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| 0101 | Baoxia Mi | Seats (Total: 60) |
| | TuTh 12:30pm - 1:45pm | SYM 0200 |

**ENCE320** **Introduction to Project Management**

**ENCE320** *(PermReq)* **Introduction to Project Management; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering.* A course designed to expose students to the techniques of engineering project management and to develop analytical skills necessary on the management side of engineering projects. Topics include economic analysis, project screening and selection, organizational and project structure, scheduling, budgeting, resource management, life cycle costing, and project control.

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| 0101 | Scott Macrae | Seats (Total: 108) |
| | M 5:00pm - 7:30pm | CHE 2110 |
| | *Click here for syllabus.* | |

**ENCE340** **Fundamentals of Geotechnical Engineering**

**ENCE340** *(PermReq)* **Fundamentals of Geotechnical Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENES220; and permission of ENGR-Civil & Environmental Engineering department.* Introductory study of soils in civil engineering. Soil origin, phase relationships and classification schemes. Soil hydraulics: capillary, effective stress, permeability and seepage considerations. Basic stress distribution theories and soil consolidation-settlement analysis. Integration of shear strength evaluation with slope stability analysis. If time permits, topics such as applications in geoenvironmental engineering will be covered.

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| 0101 | Ahmet Aydilek<br>TuTh 11:00am - 12:15pm | Seats (Total: 55)<br>SPH 1302 |

**ENCE353** **Introduction to Structural Analysis**

**ENCE353** *(PermReq)* **Introduction to Structural Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Permission of ENGR-Civil & Environmental Engineering department; and (MATH246 and ENES220).* The basic tools of structural analysis and design. Design loads. Equilibrium of external and internal forces. Shear and moment diagrams in beams and frames. Truss analysis. Influence line diagrams. The slope-deflection method and method of consistent deformation. Matrix stiffness methods for beams, frames and trusses.

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| 0101 | Bilal Ayyub<br>MWF 9:00am - 9:50am | Seats (Total: 62)<br>PLS 1130 |

**ENCE360** **Analysis of Civil Engineering Systems**

**ENCE360 Analysis of Civil Engineering Systems; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENCE201 and MATH140; and permission of ENGR-Civil & Environmental Engineering department.* Introduction to systems approach and systems analysis in civil and environmental engineering. Introduction to systems analysis tools that facilitate engineering management decision making including optimization and computer simulation. Introduction to linear and nonlinear mathematical optimization including linear and integer programming, elementary nonlinear programming and dynamic programming.

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| 0101 | Hakob Avetisyan<br>TuTh 9:30am - 10:45am | Seats (Total: 50)<br>EGR 0110 |
| 0201 | Hakob Avetisyan<br>TuTh 11:00am - 12:15pm | Seats (Total: 30)<br>EGR 2116 |

**ENCE370** **Introduction to Transportation Engineering and Planning**

**ENCE370 Introduction to Transportation Engineering and Planning; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PHYS261, ENCE201, and PHYS260; and permission of ENGR-Civil & Environmental Engineering department.* Engineering problems of transportation by highways, airways, pipelines, waterways, and railways. Transportation modes and technologies, vehicle dynamics, basic facility design, traffic stream models, capacity analysis, transportation planning, evaluation and choice, and network analysis.

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| 0101 | Cinzia Cirillo | Seats (Total: 48) | |
| | MWF 1:00pm - 1:50pm | BPS 0283 | |

**ENCE402** **Simulation and Design of Experiments for Engineers**

**ENCE402** *(PermReq)* **Simulation and Design of Experiments for Engineers; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENCE302; and permission of ENGR-Civil & Environmental Engineering department.* Review of statistics and hypothesis testing, sample design and design of experiments, generation of discrete and continuous distributions and their applications. Introduction of simulation languages and simulation of discrete and continuous engineering systems. Output analysis, model validation and sensitivity and reliability analysis.

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| 0101 | Steven Gabriel | Seats (Total: 50) | |
| | TuTh 11:00am - 12:15pm | SPH 0302 | |

**ENCE411** **Environmental Engineering Science**

**ENCE411** *(PermReq)* **Environmental Engineering Science; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENCE310; and permission of ENGR-Civil & Environmental Engineering department.* The basic physical, chemical and biological processes that occur in engineered and natural environmental systems will be discussed. Included will be presentation of parameters used to describe the quality of water, air and land. Measurement techniques will be discussed. A weekly lab will provide hands-on experience with environmental quality measurements and treatment techniques.

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| 0101 | Instructor: TBA | Seats (Total: 9) | |
| | TuTh 11:00am - 11:50am | EGR 0110 | |
| | W 10:00am - 1:00pm | Location: TBA | Lab |

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|---|---|---|---|
| 0102 | Instructor: TBA | Seats (Total: 9) | |
| | TuTh 11:00am - 11:50am<br>W 1:00pm - 4:00pm | EGR 0110<br>Location: TBA | Lab |

**ENCE412** **Environmental Engineering Unit Operations**

**ENCE412** *(PermReq)* **Environmental Engineering Unit Operations; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENCE305 and ENCE310; and permission of ENGR-Civil & Environmental Engineering department.* Examination of unit operations and processes encountered in environmental engineering field. Fundamental principles learned from previous classes will be applied into the design and operation of unit operations and processes, particularly in the area of water and wastewater treatment. Similar processes will be applied to air pollution control, solid waste disposal and hazardous waste treatment.

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| 0101 | Allen Davis, Jiayu Liu | Seats (Total: 35) |
| | TuTh 2:00pm - 3:15pm | EGR 0108 |

**ENCE421** **Legal Aspects of Engineering Practice**

**ENCE421 Legal Aspects of Engineering Practice; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. And ENCE320; or students who have taken courses with comparable content may contact the department. Restriction: Must be in Engineering: Civil program; or permission of ENGR-Civil & Environmental Engineering department; or must be in Project Management minor.* Study legal principles relevant to engineering design and construction contracts. Specific subjects covered include engineering design and construction contracts, torts, agency, professional liability, labor laws, insurance, expert testimony, mediation and arbitration, intellectual property, patents and copyrights, sureties and ethics. Study principles of ethical and professional conduct of engineers. Gaining familiarity with the basic structure of the US legal system as it relates to legal obligations and responsibilities of engineers.

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| 0101 | Miroslaw Skibniewski, Hsi-Hsien Wei | Seats (Total: 61) |
| | Th 5:00pm - 7:30pm | CHE 2108 |

**ENCE422** **Project Cost Accounting and Economics**

**ENCE422** *(PermReq)* **Project Cost Accounting and Economics; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ENCE201; and permission of ENGR-Civil & Environmental Engineering department. Restriction: Must be in Engineering: Civil program; or must be in Project Management minor; or permission of ENGR-Civil & Environmental Engineering department.* Reviews the fundamentals of accounting; examines project cost accounting principles as they apply to project management; project cost accounting; reading financial statements; cash management; cash flow analysis; depreciation and taxes; and impact on profitability; examines the principles of activity based costing; net present value analysis; introduces the framework for project performance measurement, cost performance indices, and earned value analysis.

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| 0101 | Sam Negahban | Seats (Total: 75) |
| | W 5:00pm - 7:30pm | CHE 2108 |

**ENCE423** **Project Planning, Scheduling and Control**

**ENCE423 Project Planning, Scheduling and Control; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. And ENCE320; or students who have taken courses with comparable content may contact the department. Restriction: Must be in Engineering: Civil program; or must be in Project Management minor; or permission of ENGR-Civil & Environmental Engineering department.* Students will learn the basics of project scheduling. Several methods will be covered including bar charts, network-based and linear scheduling. Emphasis will be placed on Critical Path Method (CPM) scheduling which is a network based methodology. Students will learn to use scheduling software and will develop a CPM schedule for an actual construction project as part of the semester project. Students will also learn the fundamental contractual aspects related to project schedules.

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| 0101 | Kenneth O'Connell | Seats (Total: 75) |
| | M 5:00pm - 7:30pm | KEB 1110 |

**ENCE424** **Communication for Project Managers**

**ENCE424 Communication for Project Managers; (3 credits)** Grade Method: REG. *Restriction: Must be in Project Management minor; or must be in Engineering: Civil program; or permission of ENGR-Civil & Environmental Engineering department.* The fundamentals of communications for project managers. Emphasis on interpersonal and group communications; communication through voice, electronic, and written messages; project cycle and reports and presentations during this cycle; and communications for employment.

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| 0101 | William Brantley | Seats (Total: 100) |
| | Tu 5:00pm - 7:30pm | CHE 2110 |

**ENCE426** **Construction Documentation and BIM Applications in Engineering and Construction**

**ENCE426** *(PermReq)* **Construction Documentation and BIM Applications in Engineering and Construction; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: ENCE200; and permission of ENGR-Civil & Environmental Engineering department. Restriction: Must be in Engineering: Civil program; or must be in Project Management Minor program; or permission of ENGR-Civil & Environmental Engineering department.* Basics of construction documentation methods, with particular emphasis on Building Information Modeling (BIM). Assembly, coordination, and maintenance of construction documents and implementation of BIM techniques in the design and construction processes. Lectures from project management faculty supplemented by guest lecturers from the construction industry.

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| 0101 | Jason Dreher | Seats (Total: 40) |
| | W 5:00pm - 7:30pm | ITV 1100 |

**ENCE431** **Hydrologic Engineering**

**ENCE431** *(PermReq)* **Hydrologic Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENCE305; and permission of ENGR-Civil & Environmental Engineering department.* An introduction to basic principles of hydrologic science including the hydrologic cycle, rainfall, surface runoff and streamflow. Special emphasis is placed on hydrologic engineering design of stormwater management and flood control facilities. Design projects are used to illustrate design practices.

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| 0101 | Richard McCuen | Seats (Total: 45) |
| | MWF 9:00am - 9:50am | EGR 1108 |

**ENCE444** **Experimental Methods in Geotechnical Structural Engineering**

**ENCE444** *(PermReq)* **Experimental Methods in Geotechnical Structural Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENCE353 and ENCE340; and permission of ENGR-Civil & Environmental Engineering department.* In the geotechnical engineering part of the course, major soils testing and their interpretation including classification, compaction, strength, and compressibility will be undertaken. The structural engineering part of this course covers test planning, loading apparatus, instrumentation, data acquisition and data analysis, as well as basic aspects of structural testing techniques and shake-table test.

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| 0101 | Yunfeng Zhang, Mohamed Aggour | Seats (Total: 20) | |
| | Tu 2:00pm - 3:00pm | EGR 3106 | |
| | W 1:00pm - 4:00pm | EGR 3114 | Lab |

**ENCE447** **Pavement Engineering**

**ENCE447 Pavement Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENCE340; and permission of ENGR-Civil & Environmental Engineering department.* Fundamental principles underlying the design, construction, maintenance and repair, and management of highway and airfield pavement systems. Pavement performance (functional/structural; evaluation); pavement mechanics (multi-layered elastic theory; slab theory); pavement materials (properties and characterization); environmental effects; current rigid and flexible design methods (new/rehabilitation); construction (new construction; maintenance/repair; rehabilitation); economic evaluation; pavement management.

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|---|---|---|---|
| 0101 | Charles Schwartz | Seats (Total: 25) | |
| | TuTh 11:00am - 12:15pm | EGR 1102 | |

**ENCE453** **Computer-Aided Structural Analysis**

**ENCE453** *(PermReq)* **Computer-Aided Structural Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENCE353; and permission of ENGR-Civil & Environmental Engineering department.* Computer-aided analysis of structural systems. Unified matrix formulation of stiffness and flexibility methods. Slope deflection method. Evaluation of truss, frame, and grid systems. Non-prismatic and curved elements. Error analysis and determination of ill-conditions. Introduction to finite element methods; formulation of simple two-dimensional elements. In laboratory, use and development of CAD software.

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| 0101 | Amde Amde | Seats (Total: 25) |
| | TuTh 9:30am - 10:45am | EGR 2116 |

**ENCE455** **Design of Steel Structures**

**ENCE455** *(PermReq)* **Design of Steel Structures; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENCE353; and permission of ENGR-Civil & Environmental Engineering department.* Behavior and design of members subjected to fatigue, and combined bending and compression; plate girders, composite beams, open-web joists and connections. Methods of allowable stress design, and load and resistance factor design. Elements of plastic analysis and design. Framing systems and loads for industrial buildings and bridges.

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| 0101 | Brian Phillips | Seats (Total: 40) |
| | TuTh 12:30pm - 1:45pm | ITV 1111 |

**ENCE466** **Design of Civil Engineering Systems**

**ENCE466** *(PermReq)* **Design of Civil Engineering Systems; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
*Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. Restriction: Senior standing. Additional information: Must be taken in the semester in which the student graduates.* A major civil engineering design experience that emphasizes development of student creativity, development and use of design methodologies, evaluation of alternate solutions, feasibility considerations, and detailed system descriptions. Realistic design constraints including economic factors, safety, aesthetics, and reliability will be imposed. Students will work in design project groups and be required to exercise oral and written communication skills.

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|---|---|---|
| 0101 | Russell Anderson<br>Tu 3:30pm - 4:45pm<br>Th 3:30pm - 4:45pm | Seats (Total: 36)<br>EGR 1202<br>EGR 1156 |
| 0201 | Russell Anderson<br>Tu 3:30pm - 4:45pm<br>Th 2:00pm - 3:15pm | Seats (Total: 35)<br>EGR 1202<br>EGR 1156 |
| 0301 | Russell Anderson<br>Tu 3:30pm - 4:45pm<br>Th 5:00pm - 6:15pm | Seats (Total: 35)<br>EGR 1202<br>EGR 1156 |

**ENCE472** **Transportation Engineering**

**ENCE472** *(PermReq)* **Transportation Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENCE302 and ENCE370; and permission of ENGR-Civil & Environmental Engineering department.* Transportation engineering concepts including transportation systems analysis, airport systems, airline and airport operations, marine transportation and urban public transportation systems.

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| 0101 | Paul Schonfeld<br>TuTh 12:30pm - 1:45pm | Seats (Total: 35)<br>EGR 0108 |

**ENCE489** **Special Problems in Civil Engineering**

**ENCE489 Special Problems in Civil Engineering; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ENCE489O** **Special Problems in Civil Engineering; Hazardous Waste Management**

**ENCE489O Special Problems in Civil Engineering: Hazardous Waste Management; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Yaron Sternberg<br>MWF 10:00am - 10:50am | Seats (Total: 10)<br>EGR 0110 |

**ENCE602** **Project Procurement Management**

**ENCE602 Project Procurement Management; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in the (ENGR: Graduate Certificate in Project Management) program; or must be in one of the following programs (ENGR: MS/PhD-Civil Engineering (Master's); Master of Engineering-Project Mgmt (Master's); ENGR: MS/PhD-Civil Engineering (Doctoral); Master of Engineering (Master's)) ; or permission of ENGR-Civil & Environmental Engineering department.* Fundamental concepts and techniques for project acquisition and procurement are presented. Students are introduced to the PMBOK Guide six-step procurement process and expected to develop an in-depth understanding of project evaluation, planning, financing, contracting, negotiation, and procurement execution. It will also cover emerging methods, principles, and practices in infrastructure project procurement, including Public-Private Partnerships, Carbon project procurement, and Clean Development Mechanism. Weekly video conference Tuesday 8:00pm to 9:00pm.

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| 0101 | Qingbin Cui<br>W 6:00pm - 8:30pm | Seats (Total: 17)<br>JMP 2120 |
| PM01 | Qingbin Cui<br>Class time/details on ELMs | Seats (Total: 25)<br>ONLINE |

**ENCE605** **Evolving as a Project leader**

**ENCE605 Evolving as a Project leader; (3 credits)** Grade Method: REG.
*Prerequisite: ENCE665.* Projects are now used by many organizations for the implementation of strategic initiatives. This means that project managers must be able to do more than manage, organize, and control. They must be able to lead the project team and its stakeholders through change. This course builds on the foundation created in ENCE665. It explores: (1)leadership theory and evolution; (2) the role of leadership in project teams; (3) you as a leader; and (4) your personal development as a project leader.

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| PM01 | Jocelyn Davis<br>Class time/details on ELMs<br>*Weekly video conferences Monday 7:00-8:00 pm* | Seats (Total: 15)<br>ONLINE |

**ENCE620** **Risk Analysis for Engineering**

**ENCE620 Risk Analysis for Engineering; (3 credits)** Grade Method: REG/AUD.
Sources of hazards, definition of risk, system analysis, functional modeling and analysis techniques, probabilistic risk assessment procedure, risk methods, risk acceptance, assessment of failure likelihood, consequence assessment, risk benefit assessment, uncertainty surces and types, modeling uncertainty, risk analysis and decision making under uncertainty, collection of data, expert-opinion elicitation, human-machine interface and human factors engineering.

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| 0101 | Bilal Ayyub | Seats (Total: 20) |
| | M 2:00pm - 4:30pm | EGR 1110 |

**ENCE624** **Managing Projects in a Dynamic Environment**

**ENCE624 Managing Projects in a Dynamic Environment; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Permission of ENGR-Civil & Environmental Engineering department.*
This course examines the nine principles simultaneous managers use interdependently and presents a theory of project management that is intellectually rigorous and consistent with pragmatic knowledge.

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| PM01 | Man Cheung, John Cable | Seats (Total: 30) |
| | **Meets January 26, 2013 - May 11, 2013** | |
| | Class time/details on ELMs | ONLINE |
| | *Weekly videoconferences Mondays 8:00-9:00pm.* | |

**ENCE625** **Project Administration**

**ENCE625 Project Administration; (3 credits)** Grade Method: REG/AUD.
The principals of project administration procedures from the viewpoint of a resident project manager or project engineer specifically addressing their responsibilities in the engineering, design, or construction industries are examined. The course is suitable for students, engineering and design professionals, project managers, experienced contract administrators, and owners interested in the special administrative problems or construction.

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| 0101 | Neil Schulman | Seats (Total: 29) |
| | Tu 6:00pm - 8:30pm | JMP 2217 |

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|---|---|---|
| PM01 | Neil Schulman | Seats (Total: 30) |
| | **Meets January 26, 2013 - May 11, 2013** | |
| | Class time/details on ELMs | ONLINE |
| | *Weekly video conferences Wednesday 7:00-8:00pm.* | |

**ENCE627** **Project Risk Management**

**ENCE627 Project Risk Management; (3 credits)** Grade Method: REG.
*Restriction: Must not have completed ENCE627.* Introduction to identifying, analyzing, assessing, and managing risks inherent to engineering projects. Includes: probability modeling, choice and value theory, schedule and cost risk, risk mitigation and transfer, and contract considerations of project risk. Examples are drawn from construction, software development, systems integration, and other large engineering projects; and cover probability basics, subjective probability, statistical data analysis, introduction to decision theory, Monte Carlo simulation, value of information, and risk-based decision making.

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| PM01 | Gregory Baecher | Seats (Total: 30) |
| | **Meets January 26, 2013 - May 11, 2013** | |
| | Class time/details on ELMs | ONLINE |
| | *Weekly videoconferences Th 8:00-9:00 am or 7:00-8:00pm* | |

**ENCE635** **Geographic Information Systems for Watershed Analysis**

**ENCE635 Geographic Information Systems for Watershed Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
*Credit only granted for: ENCE524 or ENCE688Z. Formerly: ENCE688Z.* Emphasis is on the use of GIS to support the analysis and modeling tasks associated with watershed planning and management. This course familiarizes the student with fundamentals of GIS data models, projections, and coordinate systems. Students develop a set of GIS- based alogrithms solving common engineering problems in hydrology. Internet data sources and GPS technology are also covered.

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| 0101 | Kaye Brubaker | Seats (Total: 25) |
| | MW 3:30pm - 4:45pm | EGL 0132 |

**ENCE647** **Slope Stability and Seepage**

**ENCE647 Slope Stability and Seepage; (3 credits)** Grade Method: REG/AUD. *Prerequisite: ENCE340. Credit only granted for: ENCE489A, ENCE647, or ENCE688A. Formerly: ENCE688A.* Theoretical and practical aspects of seepage effects, and groundwater flow, review of shear strength principles, flow through porous media, hydraulic conductivity, flow nets, determination of water pressure, seepage forces and quantity of seepage, laboratory and field tests for shear strength, infinite slopes, block analysis, method of slices, seismic analysis of slopes, effective and total stress analysis, computer program for slope stability analysis, slope stability problems in waste disposal, construction excavations, reinforced embankments, embankments on soft ground.

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| 0101 | Ahmet Aydilek | Seats (Total: 25) |
| | Tu 5:00pm - 7:30pm | EGR 3106 |

**ENCE662** **Introduction to Project Management**

**ENCE662 Introduction to Project Management; (3 credits)** Grade Method: REG/AUD.

Introduction to project management including: overview and concepts of project management (principles, body of knowledge, strategies); planning successful projects (defining, specifying, delivery options, scheduling, budgeting); implementing (organizing the team, work assignments, team building, effective leadership); executing (performance measurement, maintaining the schedule, adjustments/mid-course corrections, record keeping, status reporting, communications, managing conflict, time management); and closeout(performance measurement, maintaining the schedule, adjustments/mid-course corrections, record keeping, status reporting, communications, managing conflict, time management).

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|---|---|---|
| PM01 | Man Cheung, John Cable | Seats (Total: 35) |
| | **Meets January 26, 2013 - May 11, 2013** | |
| | Class time/details on ELMs | ONLINE |
| | *Weekly videoconferences Th 7:00-8:00am or 8:00-9:00pm* | |

**ENCE664** **Legal Aspects of Engineering Design and Construction**

**ENCE664 Legal Aspects of Engineering Design and Construction; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Permission of ENGR-Civil & Environmental Engineering department.* Examines ways in which the legal system affects the design and construction process. Focuses on contract types and the relationships between the parties in different delivery systems. Covers basics of procurement protocols along with negotiating techniques and strategies. Topics include contract law, the relationships between the parties, tort and negligence law, and the statutory principles affecting construction.

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| 0101 | Thomas Barham | Seats (Total: 50) |
| | W 6:00pm - 8:30pm | JMP 2121 |

**ENCE665** **Management of Project Teams**

**ENCE665 Management of Project Teams; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; and permission of ENGR-A. James Clark School of Engineering.* Experience has shown that really excellent project managers are not only technically competent but that they have above average skills in human relations and communications. The course will prepare project managers to optimize the utilization of their most important resource: people. Relying primarily on a wide range of research and experience in the Project Team, this course will help guide project managers in building the other skills needed to be truly successful in the competitive Project Team.

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| PM01 | Kathryn Britton | Seats (Total: 25) |
| | Class time/details on ELMs | ONLINE |
| | *Weekly video conference: Monday or Tuesday 7-8 p.m.* | |

**ENCE667** **Project Performance Measurement**

**ENCE667 Project Performance Measurement; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Permission of ENGR-Civil & Environmental Engineering department.*
Examination of various techniques and models used to measure the performance of projects. Topics will include: Critical Path Method (CPM), Program Evaluation Review Technique (PERT), Gantt charts, project crashing, resource management, capital allocation, forecasting, hypothesis testing, regression analysis, learning curve analysis, goal programming, Monte Carlo simulation, the Analytic Hierarchy Process (AHP), Pareto optimality and tradeoff curves as well as basics in linear programming and uncertainity modeling.

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| 0101 | Gregory Baecher | Seats (Total: 29) |
| | Th 3:30pm - 6:00pm | JMP 2217 |

**ENCE675** **Airport Planning and Design**

**ENCE675 Airport Planning and Design; (3 credits)** Grade Method: REG/AUD.
The planning and design of airports including site selection, runway configuration, geometric and structural design of the landing area, and terminal facilities. Methods of financing airports, estimates of aeronautical demand, air traffic control, and airport lighting are also studied.

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| 0101 | Paul Schonfeld | Seats (Total: 30) |
| | Tu 5:00pm - 7:45pm | CHE 2145 |

**ENCE688E** **Advanced Topics in Civil Engineering; e-Construction Research Seminar**

**ENCE688E Advanced Topics in Civil Engineering: e-Construction Research Seminar; (1-3 credits)** Grade Method: REG/AUD.

This course reviews current R&D efforts related to information and automation technologies used in support of construction project/process planning, design and execution. Topics include building information modeling and related construction site applications, sensor-based systems for construction site monitoring, construction data processing and management, construction automation and robotics, IT and automation-based engineering for disaster response, IT/automation based solutions for environmentally sustainable construction, 'green' automation for facility engineering and operations, optimal design/deployment of construction enterprise resource planning systems, web-based construction management, and construction supply chain optimization. Speakers include academic or government organization-based researchers and construction industry practitioners. Students in this course are expected to actively contribute their own ongoing research activities to the selection and delivery of selected presentations.

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| 0101 | Miroslaw Skibniewski | Seats (Total: 18) |
| | Th 2:00pm - 4:30pm | EGR 3111 |

**ENCE688I** **Advanced Topics in Civil Engineering; Discrete Choice Analysis**

**ENCE688I Advanced Topics in Civil Engineering: Discrete Choice Analysis; (3 credits)** Grade Method: REG/AUD.

Methods and statistics of model estimation; maximum-likelihood estimation; individual choice theory; binary choice models; multi-dimensional choice models; sampling theory and sample design; aggregate prediction with choice models; joint stated preference and revealed preference modeling, and longitudinal choice analysis; review of state-of-the-art and future directions.

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| 0101 | Cinzia Cirillo | Seats (Total: 25) |
| | MW 2:15pm - 3:30pm | EGL 0132 |

**ENCE688M** **Advanced Topics in Civil Engineering; Intelligent Transportation Systems**

**ENCE688M Advanced Topics in Civil Engineering: Intelligent Transportation Systems; (3 credits)** Grade Method: REG/AUD.
An introduction to concepts, architecture, components, planning and implementation of the Intelligent Transportation System (ITS). ITS is the application of telecommunication and information technologies in transportation systems. The course discusses fundamentals of such technologies and will examine how ITS can be used to improve mobility, enhance safety and protect the environment. The topics to be covered include review of national ITS architecture and standards, ITS data collection, ITS planning and implementation, Advanced Traveler information Systems and applications of ITS in safety, freight and transit. Course consists of lectures, class discussions, field trip, assignments and final project.

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| 0101 | Kaveh Farokhi Sadabadi, Ali Haghani, Masoud Hamedi<br>Th 5:00pm - 7:30pm | Seats (Total: 20)<br>EGR 1110 |

**ENCE688O** **Advanced Topics in Civil Engineering; Hazardous Waste Management**

**ENCE688O Advanced Topics in Civil Engineering: Hazardous Waste Management; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Yaron Sternberg<br>MWF 10:00am - 10:50am | Seats (Total: 10)<br>EGR 0110 |

**ENCE688R** **Advanced Topics in Civil Engineering; Civil Information Systems**

**ENCE688R Advanced Topics in Civil Engineering: Civil Information Systems; (3 credits)** Grade Method: REG/AUD.
A hands-on introduction to engineering software development for the model-based design and operational management of modern civil systems. Students will learn how to model the structure and behavior of civil systems, and then develop object-oriented software solutions for specific civil systems applications. Motivating case studies will be drawn from road, rail, and utility networks, networked building services, and spatial modeling for buildings and urban areas.

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| 0101 | Mark Austin<br>TuTh 5:00pm - 6:15pm | Seats (Total: 30)<br>EGR 1104 |

**ENCE688W** **Advanced Topics in Civil Engineering; Emergency Management in Transportation**

**ENCE688W Advanced Topics in Civil Engineering: Emergency Management in Transportation; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Elise Miller-Hooks | Seats (Total: 20) |
| | TuTh 10:30am - 11:45am | PLS 1158 |

**ENCE689** **Seminar**

**ENCE689 Seminar; (1-16 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Majors only. Other majors require permission of department.

**Contact department for information to register for this course.**

**ENCE710** **Steel Structures I**

**ENCE710 Steel Structures I; (3 credits)** Grade Method: REG/AUD.
*Formerly: ENCE656.* Moment connections of beams and columns. Wind bracing connections. Plate girders. Floor systems for buildings. Strengthening of beams and trusses. Corrosion control. Fatigue and fracture.

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| 0101 | Chung Fu | Seats (Total: 25) |
| | TuTh 5:00pm - 6:15pm | EGR 3102 |

**ENCE713** **Concrete Structures I**

**ENCE713 Concrete Structures I; (3 credits)** Grade Method: REG/AUD.
*Formerly: ENCE753.* The behavior and strength of reinforced concrete members under combined loadings, including the effects of creep, shrinkage and temperature. Mechanisms of shear resistance and design procedures for bond, shear and diagonal tension. Elastic and ultimate strength analysis and design of slabs. Columns in multistory frames. Applications to reinforced concrete structures.

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| 0101 | Amde Amde | Seats (Total: 25) |
| | TuTh 3:30pm - 4:45pm | EGR 2154 |

**ENCE722** **Market, Spatial, and Traffic Equilibrium Models in Project Management**

**ENCE722 Market, Spatial, and Traffic Equilibrium Models in Project Management; (3 credits)** Grade Method: REG/AUD.
*Credit only granted for: ENCE654, ENCE688M, or ENCE722. Formerly: ENCE654.* Introduction to equilibrium models involving economics and engineering. Topics include: review of relevent optimization theory; the nonlinear complementary problem (NCP) and variational inequality problem formats to solve equilibrium problems; review of relevant game theory, equilibrium models, and algorithims. Also offered as AMSC698M.

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| 0101 | Steven Gabriel | Seats (Total: 30) |
| | Tu 2:00pm - 4:30pm | CSI 3118 |
| | *Click here for more course information.* | |

**ENCE730** **Environmental and Water Resource Systems II**

**ENCE730 Environmental and Water Resource Systems II; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ENCE630; or permission of instructor.* Advanced topics in operational research. Applications to complex environmental and water resource systems. The use of systems simulation and probabalistic modeling.

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| 0101 | Richard McCuen | Seats (Total: 10) |
| | TuTh 8:00am - 9:15am | EGR 2116 |

**ENCE743** **Soil Dynamics and Earthquake Engineering**

**ENCE743 Soil Dynamics and Earthquake Engineering; (3 credits)** Grade Method: REG/AUD.
*Credit only granted for: ENCE642 or ENCE743. Formerly: ENCE642.* Review of theory of vibration and wave propagation in elastic media. Field and laboratory methods for determining dynamic soil properties. Analysis and design of soil-foundation systems subjected to machinery generated vibrations and methods of foundation isolation. Earthquake causes, magnitude and intensity, seismic hazard evaluation, NEHRP site classification, site response analyses and ground motion amplification, liquefaction and response of earth structures.

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| 0101 | Mohamed Aggour | Seats (Total: 25) |
| | Th 5:00pm - 7:30pm | EGR 2116 |

**ENCE747** **Infrastructure and Pavement Management Systems**

**ENCE747 Infrastructure and Pavement Management Systems; (3 credits)** Grade Method: REG/AUD.
*Credit only granted for: ENCE688D or ENCE747. Formerly: ENCE688D.* Pavement and Infrastructure Management Systems. System Engineering. Condition Evaluation and Rating, Non Destructive Methods. Performance Evaluation and Modeling. Economic Analysis, Cost and Benefits. Pavement Management Systems:Overview, A Framework for System Design, Project and Network PMS, Pavement Condition and SHRP Surveys, Costs and Benefits of Improved Levels of Pavement Management. PMS Case Studies . Use of Geographic Information Systems (GIS). Systems Concepts Applied to Design. Implementation of Maintenance Management Systems. Bridge Management Systems: Inspection, Rating, Benefits, e.t.c. Building Management Systems: Critical Issues, Private and Public Ownership, Life Cycle Cost. Infrastructure Management Systems.

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| 0101 | Dimitrios Goulias | Seats (Total: 15) |
| | W 4:00pm - 6:30pm | EGR 1110 |

**ENCE799** **Master's Thesis Research**

**ENCE799 Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Majors only. Other majors require permission of department.

**Contact department for information to register for this course.**

**ENCE898** **Pre-Candidacy Research**

**ENCE898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ENCE899** **Doctoral Dissertation Research**

**ENCE899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Majors only. Other majors require permission of department.

**Contact department for information to register for this course.**

**ENCH446** **Process Engineering Economics and Design II**

**ENCH446** *(PermReq)* **Process Engineering Economics and Design II; (3 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
*Prerequisite: ENCH444.* Application of chemical engineering principles for the design of chemical processing equipment. Typical problems in the design of chemical plants.

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| 0101 | Sheryl Ehrman<br>W 8:00am - 10:40am | Seats (Total: 40)<br>CHM 0119 |
| 0201 | Nam Sun Wang<br>Th 8:00am - 10:40am | Seats (Total: 40)<br>ITV 1111 |

**ENCH468** **Research**

**ENCH468** *(PermReq)* **Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ENCH468F** **Research; Combustion and Reacting Flow**

**ENCH468F Research: Combustion and Reacting Flow; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENCH400 and ENCH440. This course covers thermochemistry and chemical kinetics of reacting flows in depth. In particular, we focus on the combustion of hydrocarbon fuels in both a phenomenological and mechanistic approach. The course covers the specifics of premixed and nonpremixed flame systems, as well as ignition and extinction. Combustion modeling with equilibrium and chemical kinetic methods will be addressed. Environmental impact and emissions minimization will be covered in detail. Finally, the course will cover available combustion diagnostic methods and their application in laboratory and real-world systems.

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| 0101 | Michael Zachariah<br>TuTh 9:30am - 10:45am | Seats (Total: 8)<br>JMP 2216 |

**ENCH468J** **Research; Process Engineering Economics and Design**

**ENCH468J** *(PermReq)* **Research: Process Engineering Economics and Design; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Raymond Adomaitis | Seats (Total: 7) | |
| | MWF 2:00pm - 2:50pm | EGR 2116 | |
| | M 11:00am - 11:50am | CHE 2116 | Discussion |

**ENCH468K** **Research; Advanced Fuel Cells and Batteries**

**ENCH468K Research: Advanced Fuel Cells and Batteries; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Chunsheng Wang | Seats (Total: 30) |
| | TuTh 3:30pm - 4:45pm | JMP 3201 |

**ENCH468L** **Research; Photovoltaics: Solar Energy**

**ENCH468L Research: Photovoltaics: Solar Energy; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Raymond Adomaitis | Seats (Total: 40) |
| | MW 4:00pm - 5:15pm | JMP 2121 |

**ENCH468N** **Research; Bionanotechnology**

**ENCH468N Research: Bionanotechnology; (3 credits)** Grade Method: REG/P-F/AUD.
Basic knowledge of molecular and cell biology/biochemistry desirable (BIOE 120, BSCI105, BCHM 461 or equivalent)

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|---|---|---|
| 0101 | Srinivasa Raghavan | Seats (Total: 40) |
| | TuTh 3:30pm - 4:45pm | CHE 2110 |

**ENCH468T** **Research; Tissue Engineering**

**ENCH468T Research: Tissue Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as BIOE411 and ENCH648T.

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|---|---|---|
| 0101 | John Fisher | Seats (Total: 20) |
| | W 2:00pm - 4:30pm | EGR 1104 |

**ENCH482** **Biochemical Engineering**

**ENCH482 Biochemical Engineering; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: ENCH440.* Introduction to biochemical and microbiological applications to commercial and engineering processes, including industrial fermentation, enzymology, ultrafiltration, food and pharmaceutical processing and resulting waste treatment. Enzyme kinetics, cell growth, energetics and mass transfer.

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|---|---|---|
| 0101 | Nam Sun Wang | Seats (Total: 30) |
| | MWF 11:00am - 11:50am | JMP 1202 |

**ENCH609** **Graduate Seminar**

**ENCH609** *(PermReq)* **Graduate Seminar; (1 credit)** Grade Method: REG/AUD. Advanced special students require department permission.

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|---|---|---|
| 0101 | Ganesh Sriram, Jeffery Klauda | Seats (Total: 30) |
| | Tu 11:00am - 12:00pm | CHE 2108 |

**ENCH630** **Transport Phenomena**

**ENCH630 Transport Phenomena; (3 credits)** Grade Method: REG/AUD. *Prerequisite: CHBE422; and ENCH424. Or students who have taken courses with comparable content may contact the department. Restriction: Permission of ENGR-Chemical & Biomolecular Engineering department.* Heat, mass and momentum transfer theory from the viewpoint of the basic transport equations. Steady and unsteady state; laminar and turbulent flow; boundary layer theory, mechanics of turbulent transport; with specific application to complex chemical engineering situations.

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|---|---|---|
| 0101 | Panagiotis Dimitrakopoulos | Seats (Total: 27) |
| | MW 4:00pm - 5:15pm | EGR 2116 |

**ENCH640** **Advanced Chemical Reaction Kinetics**

**ENCH640 Advanced Chemical Reaction Kinetics; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: CHBE440; or students who have taken courses with comparable content may contact the department. Restriction: Permission of ENGR-Chemical & Biomolecular Engineering department.* The theory and application of chemical reaction kinetics to reactor design. Reaction rate theory; homogeneous batch and flow reactors; fundamentals of catalysis; design of heterogeneous flow reactors.

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| 0101 | Kyu Yong Choi<br>MW 5:30pm - 6:45pm | Seats (Total: 30)<br>CHE 2136 |

**ENCH648** **Special Problems in Chemical Engineering**

**ENCH648** *(PermReq)* **Special Problems in Chemical Engineering; (1-16 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ENCH648B** **Special Problems in Chemical Engineering; Biochemical Engineering**

**ENCH648B Special Problems in Chemical Engineering: Biochemical Engineering; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Nam Sun Wang<br>MWF 11:00am - 11:50am | Seats (Total: 8)<br>JMP 1202 |

**ENCH648K** **Special Problems in Chemical Engineering; Advanced Fuel Cells and Batteries**

**ENCH648K Special Problems in Chemical Engineering: Advanced Fuel Cells and Batteries; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Chunsheng Wang<br>TuTh 3:30pm - 4:45pm | Seats (Total: 10)<br>JMP 3201 |
| HT01 | Chunsheng Wang<br>Contact instructor or department for details. | Seats (Total: 5) |
| ME01 | Chunsheng Wang<br>Class time/details on ELMs | Seats (Total: 20)<br>ONLINE |

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| SG01 | Chunsheng Wang<br>Contact instructor or department for details. | Seats (Total: 5) |
| SM01 | Chunsheng Wang<br>Contact instructor or department for details. | Seats (Total: 5) |

**ENCH648L** **Special Problems in Chemical Engineering; Photovoltaics: Solar Energyy**

**ENCH648L Special Problems in Chemical Engineering: Photovoltaics: Solar Energyy; (1-16 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Raymond Adomaitis<br>MW 4:00pm - 5:15pm | Seats (Total: 10)<br>JMP 2121 |
| HT01 | Raymond Adomaitis<br>Contact instructor or department for details. | Seats (Total: 5) |
| ME01 | Raymond Adomaitis<br>Class time/details on ELMs | Seats (Total: 10)<br>ONLINE |
| SG01 | Raymond Adomaitis<br>Contact instructor or department for details. | Seats (Total: 5) |
| SM01 | Raymond Adomaitis<br>Contact instructor or department for details. | Seats (Total: 5) |

**ENCH648N** **Special Problems in Chemical Engineering; Bionanotechnology**

**ENCH648N Special Problems in Chemical Engineering: Bionanotechnology; (3 credits)** Grade Method: REG/AUD.
Also offered as BIOE689N.

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|---|---|---|
| 0101 | Srinivasa Raghavan<br>TuTh 3:30pm - 4:45pm | Seats (Total: 30)<br>CHE 2110 |

**ENCH648T** **Special Problems in Chemical Engineering; Tissue Engineering**

**ENCH648T Special Problems in Chemical Engineering: Tissue Engineering; (3 credits)** Grade Method: REG/AUD.
Also offered as BIOE611.

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| 0101 | John Fisher | Seats (Total: 10) |
| | W 2:00pm - 4:30pm | EGR 1104 |

**ENCH799** **Master's Thesis Research**

**ENCH799 Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ENCH898** **Pre-Candidacy Research**

**ENCH898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ENCH899** **Doctoral Dissertation Research; Chemical Engineering**

**ENCH899** *(PermReq)* **Doctoral Dissertation Research: Chemical Engineering; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

## ENCO Engineering, Cooperative Education Spring 2013

**ENCO099** **Co-Op/Intern Work Experience; Co-op/Intern Work Experience**

**ENCO099** *(PermReq)* **Co-Op/Intern Work Experience: Co-op/Intern Work Experience; (No credit)** Grade Method: S-F.
Permission of Co-op Director required. Obtain permission and more information in 1131 College of Engineering. For special fees, see the Financial Information section of the Registration Guide.

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|---|---|---|
| 0101 | Heidi Sauber, Veronica Perrigan | Seats (Total: 200) |
| | Contact instructor or department for details. | |

## ENEE Electrical & Computer Engineering Spring 2013

**ENEE133** **Engineering in Medicine: The body as a machine**

**ENEE133 Engineering in Medicine: The body as a machine; (3 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.
Examines the role of engineering in human physiology and modern medicine, and explains important human biological functions and medical systems based on elementary physics, chemistry and technology. It is designed specifically for the non-science major. Concepts will be introduced intuitively and at pre-calculus math level. Students will engage in group projects and hands-on experiments to reinforce knowledgeand understanding.

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| 0101 | Romel Gomez<br>TuTh 3:30pm - 4:45pm<br>F 10:00am - 10:50am | Seats (Total: 20)<br>CSI 2118<br>CHE 2116 | <br><br>Discussion |

**ENEE140** **Introduction to Programming Concepts for Engineers**

**ENEE140** *(PermReq)* **Introduction to Programming Concepts for Engineers; (2 credits)** Grade Method: REG.
*Prerequisite: Permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in Engineering: Electrical program.* Introduction to the programming environment: editing, compiling, UNIX, data types and variable scope; program selection, formatted/unformatted input/output, repetition, functions, arrays and strings.

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|---|---|---|---|
| 0101 | Gang Qu<br>Tu 12:30pm - 1:45pm<br>WF 9:00am - 9:50am | Seats (Total: 14)<br>KEB 1110<br>AVW 1442 | <br><br>Discussion |
| 0102 | Gang Qu<br>Tu 12:30pm - 1:45pm<br>WF 10:00am - 10:50am | Seats (Total: 14)<br>KEB 1110<br>AVW 1442 | <br><br>Discussion |
| 0103 | Gang Qu<br>Tu 12:30pm - 1:45pm<br>WF 11:00am - 11:50am | Seats (Total: 14)<br>KEB 1110<br>AVW 1442 | <br><br>Discussion |

**ENEE150** **Intermediate Programming Concepts for Engineers**

**ENEE150** *(PermReq)* **Intermediate Programming Concepts for Engineers; (3 credits)** Grade Method: REG.
*Prerequisite: ENEE140. Or permission of ENGR-Electrical & Computer Engineering department; and (score of 5 on the A Java AP exam; or score of 4 or 5 on the AB Java AP exam; or satisfactory performance on the department's placement exam). Corequisite: MATH140. Restriction: Must be in Engineering: Electrical program. Credit only granted for: ENEE114 or ENEE150. Formerly: ENEE114.* Advanced programming concepts: coding conventions and style; pointers; dynamic memory allocation and data structures; linked lists; graphs; abstract data types; object-oriented design. There will be team-based software projects and group presentations.

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|---|---|---|---|
| 0101 | William Hawkins<br>TuTh 8:00am - 9:15am<br>F 9:00am - 9:50am | Seats (Total: 12)<br>CSI 2117<br>AVW 2446 | Discussion |
| 0102 | William Hawkins<br>TuTh 8:00am - 9:15am<br>F 10:00am - 10:50am | Seats (Total: 12)<br>CSI 2117<br>AVW 2446 | Discussion |
| 0103 | William Hawkins<br>TuTh 8:00am - 9:15am<br>F 11:00am - 11:50am | Seats (Total: 12)<br>CSI 2117<br>AVW 2446 | Discussion |
| 0104 | William Hawkins<br>TuTh 8:00am - 9:15am<br>F 12:00pm - 12:50pm | Seats (Total: 12)<br>CSI 2117<br>AVW 2446 | Discussion |
| 0201 | Donald Yeung<br>MW 12:30pm - 1:45pm<br>Th 11:00am - 11:50am | Seats (Total: 12)<br>CHE 2118<br>AVW 1442 | Discussion |
| 0202 | Donald Yeung<br>MW 12:30pm - 1:45pm<br>Th 12:00pm - 12:50pm | Seats (Total: 12)<br>CHE 2118<br>AVW 1442 | Discussion |
| 0203 | Donald Yeung<br>MW 12:30pm - 1:45pm<br>Th 1:00pm - 1:50pm | Seats (Total: 12)<br>CHE 2118<br>AVW 1442 | Discussion |

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|---|---|---|---|
| 0204 | Donald Yeung<br>MW 12:30pm - 1:45pm<br>Th 2:00pm - 2:50pm | Seats (Total: 12)<br>CHE 2118<br>AVW 1442 | <br><br>Discussion |

**ENEE200** **Social and Ethical Dimensions of Engineering Technology**

**ENEE200 Social and Ethical Dimensions of Engineering Technology; (3 credits)**
Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course. *Restriction: Sophomore standing or higher.* Designed for both engineering and non-engineering students wishing to explore and assess the impact of engineering technology on society and the role of society in generating that technology. Special emphasis is placed on the interplay of diverse and often conflicting personal and collective values in both the development and implementation of new technologies. These subjects touch on many areas of interest including ethics, politics, business, the law, and society.

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|---|---|---|---|
| 0101 | Wesley Lawson<br>TuTh 11:00am - 11:50am<br>F 10:00am - 11:50am | Seats (Total: 16)<br>SPH 1301<br>EGR 3111 | <br><br>Discussion |
| 0102 | Wesley Lawson<br>TuTh 11:00am - 11:50am<br>F 12:00pm - 1:50pm | Seats (Total: 16)<br>SPH 1301<br>EGR 3111 | <br><br>Discussion |
| 0103 | Wesley Lawson<br>TuTh 11:00am - 11:50am<br>F 2:00pm - 3:50pm | Seats (Total: 16)<br>SPH 1301<br>EGR 3114 | <br><br>Discussion |
| 0104 | Wesley Lawson<br>TuTh 11:00am - 11:50am<br>M 12:00pm - 1:50pm | Seats (Total: 16)<br>SPH 1301<br>EGR 1102 | <br><br>Discussion |

**ENEE205** **Electric Circuits**

**ENEE205** *(PermReq)* **Electric Circuits; (4 credits)** Grade Method: REG. *Prerequisite: Minimum grade of C- in PHYS260; and permission of ENGR-Electrical & Computer Engineering department. Corequisite: MATH246. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). Credit only granted for: ENEE204 or ENEE205. Formerly: ENEE204.* Design, analysis, simulation, construction and evaluation of electric circuits. Terminal Relationships. Kirchoff's laws. DC and AC steady state analysis. Node and mesh methods. Thevenin and Nortor equivalent circuits. Transient behavior of first- and second-order circuits. Frequency response and transfer functions. Ideal op-amp circuits. Diode and transistor circuits.

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|---|---|---|---|
| 0101 | Thomas Murphy | Seats (Total: 12) | |
| | MW 11:00am - 12:15pm<br>M 8:00am - 9:50am<br>W 9:00am - 9:50am | JMP 3201<br>AVW 1356<br>EGR 3114 | <br>Lab<br>Discussion |
| 0102 | Thomas Murphy | Seats (Total: 12) | |
| | MW 11:00am - 12:15pm<br>Tu 2:00pm - 3:50pm<br>Th 2:00pm - 2:50pm | JMP 3201<br>AVW 1356<br>EGR 3106 | <br>Lab<br>Discussion |
| 0103 | Thomas Murphy | Seats (Total: 12) | |
| | MW 11:00am - 12:15pm<br>F 10:00am - 11:50am<br>W 10:00am - 10:50am | JMP 3201<br>AVW 1356<br>EGR 3102 | <br>Lab<br>Discussion |
| 0104 | Thomas Murphy | Seats (Total: 12) | |
| | MW 11:00am - 12:15pm<br>Th 2:00pm - 3:50pm<br>Tu 2:00pm - 2:50pm | JMP 3201<br>AVW 1356<br>EGR 3111 | <br>Lab<br>Discussion |
| 0105 | Thomas Murphy | Seats (Total: 12) | |
| | MW 11:00am - 12:15pm<br>F 12:00pm - 1:50pm<br>W 1:00pm - 1:50pm | JMP 3201<br>AVW 1356<br>EGR 3111 | <br>Lab<br>Discussion |
| 0201 | Wesley Lawson | Seats (Total: 12) | |
| | TuTh 9:30am - 10:45am<br>M 10:00am - 11:50am<br>F 10:00am - 10:50am | CHE 2108<br>AVW 1356<br>EGR 3114 | <br>Lab<br>Discussion |

| | | | |
|---|---|---|---|
| 0202 | Wesley Lawson | Seats (Total: 12) | |
| | TuTh 9:30am - 10:45am | CHE 2108 | |
| | W 2:00pm - 3:50pm | AVW 1356 | Lab |
| | M 2:00pm - 2:50pm | EGR 3106 | Discussion |
| 0203 | Wesley Lawson | Seats (Total: 12) | |
| | TuTh 9:30am - 10:45am | CHE 2108 | |
| | F 8:00am - 9:50am | AVW 1356 | Lab |
| | W 9:00am - 9:50am | EGR 3102 | Discussion |
| 0204 | Wesley Lawson | Seats (Total: 12) | |
| | TuTh 9:30am - 10:45am | CHE 2108 | |
| | F 2:00pm - 3:50pm | AVW 1356 | Lab |
| | W 2:00pm - 2:50pm | EGR 1110 | Discussion |
| 0205 | Wesley Lawson | Seats (Total: 12) | |
| | TuTh 9:30am - 10:45am | CHE 2108 | |
| | Tu 4:00pm - 5:50pm | AVW 1356 | Lab |
| | Th 4:00pm - 4:50pm | EGR 0135 | Discussion |

**ENEE222** **Elements of Discrete Signal Analysis**

**ENEE222** *(PermReq)* **Elements of Discrete Signal Analysis; (4 credits)** Grade Method: REG.
*Prerequisite: Minimum grade of C- in MATH141; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer). Credit only granted for: ENEE222, ENEE241, or MATH242. Formerly: ENEE241.* Discrete-time and continuous-time signals, sampling. Linear transformers, orthogonal projections. Discrete Fourier Transform and its properties. Fourier Series. Introduction to discrete-time linear filters in both time and frequency domains.

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|---|---|---|---|
| 0101 | Gilmer Blankenship | Seats (Total: 25) | |
| | MW 2:00pm - 3:15pm | JMP 3201 | |
| | Th 10:00am - 10:50am | KEB 2111 | Lab |
| | Tu 10:00am - 10:50am | KEB 2111 | Discussion |
| 0102 | Gilmer Blankenship | Seats (Total: 25) | |
| | MW 2:00pm - 3:15pm | JMP 3201 | |
| | Th 11:00am - 11:50am | KEB 2111 | Lab |
| | Tu 11:00am - 11:50am | KEB 2111 | Discussion |

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|---|---|---|---|
| 0201 | Jonathan Simon | Seats (Total: 25) | |
| | TuTh 2:00pm - 3:15pm | KEB 1110 | |
| | W 9:00am - 9:50am | KEB 2107 | Lab |
| | F 9:00am - 9:50am | KEB 2107 | Discussion |
| 0202 | Jonathan Simon | Seats (Total: 25) | |
| | TuTh 2:00pm - 3:15pm | KEB 1110 | |
| | W 10:00am - 10:50am | KEB 2107 | Lab |
| | F 10:00am - 10:50am | KEB 2107 | Discussion |

**ENEE244** **Digital Logic Design**

**ENEE244** *(PermReq)* **Digital Logic Design; (3 credits)** Grade Method: REG. *Prerequisite: Permission of ENGR-Electrical & Computer Engineering department. Corequisite: ENEE150 or CMSC131. Restriction: Sophomore standing or higher; and must be in one of the following programs (Engineering: Computer; Engineering: Electrical).* The design and analysis of combinational and synchronous sequential systems comprising digital logic gates and flip-flop memory devices; underlying tools such as switching and Boolean algebras and Karnaugh map simplification of gate networks; design and use of decoders, multiplexers, encoders, adders, registers, counters, sequence recognizers, programmable logic arrays (PLAs), read-only memories (ROMS, PROMS), and similar devices. Arbitrary radix conversion.

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|---|---|---|---|
| 0101 | Kazuo Nakajima | Seats (Total: 14) | |
| | MW 3:30pm - 4:45pm | CHE 2108 | |
| | F 11:00am - 11:50am | EGR 1110 | Discussion |
| 0102 | Kazuo Nakajima | Seats (Total: 14) | |
| | MW 3:30pm - 4:45pm | CHE 2108 | |
| | F 12:00pm - 12:50pm | EGR 1110 | Discussion |
| 0103 | Kazuo Nakajima | Seats (Total: 13) | |
| | MW 3:30pm - 4:45pm | CHE 2108 | |
| | F 11:00am - 11:50am | EGR 2116 | Discussion |
| 0105 | Kazuo Nakajima | Seats (Total: 14) | |
| | MW 3:30pm - 4:45pm | CHE 2108 | |
| | F 11:00am - 11:50am | EGR 2154 | Discussion |

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|---|---|---|---|
| 0106 | Kazuo Nakajima<br>MW 3:30pm - 4:45pm<br>F 12:00pm - 12:50pm | Seats (Total: 13)<br>CHE 2108<br>EGR 3114 | Discussion |
| 0201 | Charles Silio<br>TuTh 12:30pm - 1:45pm<br>M 9:00am - 9:50am | Seats (Total: 14)<br>ARM 0110<br>EGR 3114 | Discussion |
| 0202 | Charles Silio<br>TuTh 12:30pm - 1:45pm<br>M 10:00am - 10:50am | Seats (Total: 14)<br>ARM 0110<br>EGR 3102 | Discussion |
| 0203 | Charles Silio<br>TuTh 12:30pm - 1:45pm<br>M 10:00am - 10:50am | Seats (Total: 14)<br>ARM 0110<br>EGR 2116 | Discussion |
| 0204 | Charles Silio<br>TuTh 12:30pm - 1:45pm<br>M 2:00pm - 2:50pm | Seats (Total: 13)<br>ARM 0110<br>EGR 1104 | Discussion |
| 0205 | Charles Silio<br>TuTh 12:30pm - 1:45pm<br>M 11:00am - 11:50am | Seats (Total: 13)<br>ARM 0110<br>EGR 3114 | Discussion |

**ENEE245** **Digital Circuits and Systems Laboratory**

**ENEE245** *(PermReq)* **Digital Circuits and Systems Laboratory; (2 credits)** Grade Method: REG.
*Prerequisite: Minimum grade of C- in ENEE244. And minimum grade of C- in ENEE150; or minimum grade of C- in CMSC132. And permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer).* Introduction to basic measurement techniques and electrical laboratory equipment (power supplies, oscilloscopes, voltmeters, etc.). Design, construction, and characterization of digital circuits containing logic gates, sequential elements, oscillators, and digital integrated circuits. Introduction to digital design and simulation with the Verilog Hardware Description Language (HDL).

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|---|---|---|---|
| 0101 | Manoj Franklin<br>M 10:00am - 10:50am<br>M 12:00pm - 2:50pm | Seats (Total: 12)<br>PLS 1140<br>AVW 1450 | <br><br>Lab |
| 0102 | Manoj Franklin<br>M 10:00am - 10:50am<br>Tu 8:00am - 10:50am | Seats (Total: 12)<br>PLS 1140<br>AVW 1450 | <br><br>Lab |
| 0103 | Manoj Franklin<br>M 10:00am - 10:50am<br>Tu 11:00am - 1:50pm | Seats (Total: 12)<br>PLS 1140<br>AVW 1450 | <br><br>Lab |
| 0104 | Manoj Franklin<br>M 10:00am - 10:50am<br>W 8:00am - 10:50am | Seats (Total: 12)<br>PLS 1140<br>AVW 1450 | <br><br>Lab |
| 0105 | Manoj Franklin<br>M 10:00am - 10:50am<br>W 11:00am - 1:50pm | Seats (Total: 12)<br>PLS 1140<br>AVW 1450 | <br><br>Lab |
| 0106 | Manoj Franklin<br>M 10:00am - 10:50am<br>Th 11:00am - 1:50pm | Seats (Total: 12)<br>PLS 1140<br>AVW 1450 | <br><br>Lab |
| 0107 | Manoj Franklin<br>M 10:00am - 10:50am<br>Th 8:00am - 10:50am | Seats (Total: 12)<br>PLS 1140<br>AVW 1450 | <br><br>Lab |
| 0108 | Manoj Franklin<br>M 10:00am - 10:50am<br>M 3:00pm - 5:50pm | Seats (Total: 12)<br>PLS 1140<br>AVW 1450 | <br><br>Lab |

**ENEE303** **Analog and Digital Electronics**

Students must complete all 200-level ENEE courses (or be currently registered in them) before permission will be granted to register for 300- or 400-level ENEE courses.

**ENEE303** *(PermReq)* **Analog and Digital Electronics; (3 credits)** Grade Method: REG.

*Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical Computer Engineering department. Restriction: Must be in one following programs (Engineering: Electrical; Engineering: Computer). Credit only granted for: ENEE302 or ENEE303.* Conceptual operation of transistors and diodes. Large and small signal operation of BJTs and MOSFETs. Basic transistor configurations. Logic circuits and semiconductor memory. Multi-transistor circuits including differential amplifiers and current mirrors. Frequency response.

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|---|---|---|---|
| 0101 | Manoj Franklin<br>MW 12:30pm - 1:45pm<br>F 9:00am - 9:50am | Seats (Total: 25)<br>CHE 2108<br>EGR 3102 | <br><br>Discussion |
| 0102 | Manoj Franklin<br>MW 12:30pm - 1:45pm<br>F 10:00am - 10:50am | Seats (Total: 25)<br>CHE 2108<br>EGR 3102 | <br><br>Discussion |
| 0201 | Alireza Khaligh<br>TuTh 11:00am - 12:15pm<br>M 11:00am - 11:50am | Seats (Total: 25)<br>BPS 1243<br>EGR 2116 | <br><br>Discussion |
| 0202 | Alireza Khaligh<br>TuTh 11:00am - 12:15pm<br>M 12:00pm - 12:50pm | Seats (Total: 25)<br>BPS 1243<br>EGR 3114 | <br><br>Discussion |

**ENEE307** **Electronic Circuits Design Laboratory**

**ENEE307** *(PermReq)* **Electronic Circuits Design Laboratory; (2 credits)** Grade Method: REG.
*Prerequisite: ENEE303; and must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). Credit only granted for: ENEE 306 or ENEE 307.* Students will design and test analog and digital circuits at the transistor level. FETs and BJTs will be covered. The laboratory experiments will be tightly coordinated with ENEE303 materials.

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|---|---|---|---|
| 0101 | Robert Newcomb<br>W 9:00am - 9:50am<br>M 2:00pm - 5:00pm | Seats (Total: 12)<br>JMP 3201<br>AVW 1330 | <br><br>Lab |
| 0102 | Robert Newcomb<br>W 9:00am - 9:50am<br>Tu 8:00am - 11:00am | Seats (Total: 12)<br>JMP 3201<br>AVW 1330 | <br><br>Lab |
| 0103 | Robert Newcomb<br>W 9:00am - 9:50am<br>Tu 2:00pm - 5:00pm | Seats (Total: 12)<br>JMP 3201<br>AVW 1330 | <br><br>Lab |
| 0104 | Robert Newcomb<br>W 9:00am - 9:50am<br>F 9:00am - 12:00pm | Seats (Total: 12)<br>JMP 3201<br>AVW 1330 | <br><br>Lab |
| 0105 | Robert Newcomb<br>W 9:00am - 9:50am<br>W 2:00pm - 5:00pm | Seats (Total: 12)<br>JMP 3201<br>AVW 1330 | <br><br>Lab |
| 0106 | Robert Newcomb<br>W 9:00am - 9:50am<br>Th 8:00am - 11:00am | Seats (Total: 12)<br>JMP 3201<br>AVW 1330 | <br><br>Lab |
| 0107 | Robert Newcomb<br>W 9:00am - 9:50am<br>Th 2:00pm - 5:00pm | Seats (Total: 12)<br>JMP 3201<br>AVW 1330 | <br><br>Lab |
| 0108 | Robert Newcomb<br>W 9:00am - 9:50am<br>F 12:00pm - 3:00pm | Seats (Total: 12)<br>JMP 3201<br>AVW 1330 | <br><br>Lab |

| | | | |
|---|---|---|---|
| 0109 | Robert Newcomb<br>W 9:00am - 9:50am<br>M 11:00am - 2:00pm | Seats (Total: 12)<br>JMP 3201<br>AVW 1330 | <br><br>Lab |
| 0110 | Robert Newcomb<br>W 9:00am - 9:50am<br>W 11:00am - 2:00pm | Seats (Total: 12)<br>JMP 3201<br>AVW 1330 | <br><br>Lab |

**ENEE313** **Introduction to Device Physics**

**ENEE313** *(PermReq)* **Introduction to Device Physics; (3 credits)** Grade Method: REG.
*Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical Computer Engineering department. Restriction: Must be in one following programs (Engineering: Electrical; Engineering: Computer). Credit only granted for: ENEE312 or ENEE313.* Basic physics of devices including fields in solids, crystal structure, properties of electrons and holes. Current flow in Si using drift-diffusion model. Properties of the pn junction. Properties of devices including BJTs, FETs and their physical characteristics.

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|---|---|---|---|
| 0101 | John Melngailis<br>MW 12:30pm - 1:45pm<br>Th 11:00am - 11:50am | Seats (Total: 23)<br>BPS 1236<br>EGR 0108 | <br><br>Discussion |
| 0201 | Neil Goldsman<br>TuTh 11:00am - 12:15pm<br>M 10:00am - 10:50am | Seats (Total: 25)<br>CSS 1113<br>EGR 0108 | <br><br>Discussion |
| 0202 | Neil Goldsman<br>TuTh 11:00am - 12:15pm<br>M 11:00am - 11:50am | Seats (Total: 25)<br>CSS 1113<br>KEB 1200 | <br><br>Discussion |

**ENEE313H** **Introduction to Device Physics**

**ENEE313H** *(PermReq)* **Introduction to Device Physics; (3 credits)** Grade Method: REG.
*Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical Computer Engineering department. Restriction: Must be in one following programs (Engineering: Electrical; Engineering: Computer). Credit only granted for: ENEE312 or ENEE313.* Basic physics of devices including fields in solids, crystal structure, properties of electrons and holes. Current flow in Si using drift-diffusion model. Properties of the pn junction. Properties of devices including BJTs, FETs and their physical characteristics.

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|---|---|---|---|
| 0101 | Agisilaos Iliadis<br>TuTh 12:30pm - 1:45pm<br>M 10:00am - 10:50am | Seats (Total: 15)<br>EGR 3111<br>EGR 0135 | <br><br>Discussion |

**ENEE322** **Signal and System Theory**

**ENEE322** *(PermReq)* **Signal and System Theory; (3 credits)** Grade Method: REG.
*Prerequisite: Minimum grade of C- in MATH246; and must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical).* Concept of linear systems, state space equations for continuous systems, time and frequency domain analysis of signals and linear systems. Fourier, Laplace and Z transforms. Application of theory to problems in electrical engineering.

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|---|---|---|---|
| 0101 | Eyad Abed<br>MW 3:30pm - 4:45pm<br>Tu 10:00am - 10:50am | Seats (Total: 25)<br>CHE 2118<br>EGR 2154 | <br><br>Discussion |
| 0102 | Eyad Abed<br>MW 3:30pm - 4:45pm<br>Tu 11:00am - 11:50am | Seats (Total: 24)<br>CHE 2118<br>EGR 0108 | <br><br>Discussion |
| 0201 | Eyad Abed<br>TuTh 3:30pm - 4:45pm<br>M 9:00am - 9:50am | Seats (Total: 25)<br>CHE 2108<br>EGR 2116 | <br><br>Discussion |
| 0202 | Eyad Abed<br>TuTh 3:30pm - 4:45pm<br>M 10:00am - 10:50am | Seats (Total: 25)<br>CHE 2108<br>EGR 2154 | <br><br>Discussion |

**ENEE324** **Engineering Probability**

**ENEE324** *(PermReq)* **Engineering Probability; (3 credits)** Grade Method: REG. *Prerequisite: ENEE322; and completion of all lower-division technical courses in the EE curriculum. Credit only granted for: BMGT231, STAT400 or ENEE324. Additional information: Electrical Engineering and Computer Engineering majors may not substitute STAT400 for ENEE324. These courses are not interchangeable, consult your program requirements or advisor for what is acceptable toward your program of study.* Axioms of probability; conditional probability and Bayes' rules; random variables, probability distribution and densities: functions of random variables: weak law of large numbers and central limit theorem. Introduction to random processes; correlation functions, spectral densities, and linear systems. Applications to noise in electrical systems, filtering of signals from noise, estimation, and digital communications. ENEE majors (09090) only.

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|---|---|---|---|
| 0101 | Nuno Martins<br>MW 3:30pm - 4:45pm<br>F 9:00am - 9:50am | Seats (Total: 25)<br>JMP 3201<br>EGR 3114 | Discussion |
| 0102 | Nuno Martins<br>MW 3:30pm - 4:45pm<br>F 10:00am - 10:50am | Seats (Total: 25)<br>JMP 3201<br>EGR 2116 | Discussion |
| 0201 | Instructor: TBA<br>TuTh 3:30pm - 4:45pm<br>W 10:00am - 10:50am | Seats (Total: 25)<br>CSS 1113<br>EGR 1102 | Discussion |
| 0202 | Instructor: TBA<br>TuTh 3:30pm - 4:45pm<br>W 11:00am - 11:50am | Seats (Total: 24)<br>CSS 1113<br>EGR 2154 | Discussion |
| 0203 | Sennur Ulukus<br>TuTh 3:30pm - 4:45pm<br>W 10:00am - 10:50am | Seats (Total: 22)<br>CSS 1113<br>EGR 3114 | Discussion |

**ENEE324H** **Engineering Probability**

**ENEE324H** *(PermReq)* **Engineering Probability; (3 credits)** Grade Method: REG. *Prerequisite: ENEE322; and completion of all lower-division technical courses in the EE curriculum. Credit only granted for: BMGT231, STAT400 or ENEE324. Additional information: Electrical Engineering and Computer Engineering majors may not substitute STAT400 for ENEE324. These courses are not interchangeable, consult your program requirements or advisor for what is acceptable toward your program of study.* Axioms of probability; conditional probability and Bayes' rules; random variables, probability distribution and densities: functions of random variables: weak law of large numbers and central limit theorem. Introduction to random processes; correlation functions, spectral densities, and linear systems. Applications to noise in electrical systems, filtering of signals from noise, estimation, and digital communications.

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|---|---|---|---|
| 0101 | Armand Makowski | Seats (Total: 15) | |
| | TuTh 3:30pm - 4:45pm | EGR 1102 | |
| | M 12:00pm - 12:50pm | EGR 1110 | Discussion |

**ENEE350** **Computer Organization**

**ENEE350** *(PermReq)* **Computer Organization; (3 credits)** Grade Method: REG. *Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical Computer Engineering department. Restriction: Must be in one following programs (Engineering: Computer; Engineering: Electrical). Formerly: ENEE250. Additional information: Electrical Engineering and Computer Engineering majors may not substitute CMSC311 for ENEE350. Not open to students who have completed ENEE250.* Structure and organization of digital computers. Registers, memory, control and I/O. Data and instruction formats, addressing modes, assembly language programming. Elements of system software, subroutines and their linkages.

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|---|---|---|---|
| 0101 | Yavuz Oruc | Seats (Total: 25) | |
| | MW 2:00pm - 3:15pm | CHE 2108 | |
| | Th 9:00am - 9:50am | EGR 3114 | Discussion |
| 0102 | Yavuz Oruc | Seats (Total: 25) | |
| | MW 2:00pm - 3:15pm | CHE 2108 | |
| | Th 10:00am - 10:50am | EGR 3114 | Discussion |

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|---|---|---|---|
| 0201 | Charles Silio<br>TuTh 9:30am - 10:45am<br>F 11:00am - 11:50am | Seats (Total: 23)<br>EGR 1104<br>EGR 1104 | <br><br>Discussion |
| 0202 | Charles Silio<br>TuTh 9:30am - 10:45am<br>F 12:00pm - 12:50pm | Seats (Total: 22)<br>EGR 1104<br>EGR 2154 | <br><br>Discussion |

**ENEE380** **Electromagnetic Theory**

**ENEE380** *(PermReq)* **Electromagnetic Theory; (3 credits)** Grade Method: REG. *Prerequisite: PHYS271, PHYS270, and MATH241; and completion of all lower-division technical courses in the EE curriculum.* Introduction to electromagnetic fields. Coulomb's law, Gauss's law, electrical potential, dielectric materials capacitance, boundary value problems, Biot-Savart law, Ampere's law, Lorentz force equation, magnetic materials, magnetic circuits, inductance, time varying fields and Maxwell's equations. ENEE majors (09090) only. Department Permission Required.

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|---|---|---|---|
| 0101 | Jeremy Munday<br>MW 11:00am - 12:15pm<br>F 12:00pm - 12:50pm | Seats (Total: 25)<br>CHE 2118<br>EGR 2116 | <br><br>Discussion |
| 0102 | Jeremy Munday<br>MW 11:00am - 12:15pm<br>F 1:00pm - 1:50pm | Seats (Total: 24)<br>CHE 2118<br>EGR 3114 | <br><br>Discussion |
| 0201 | Leonard Taylor<br>TuTh 2:00pm - 3:15pm<br>W 1:00pm - 1:50pm | Seats (Total: 23)<br>EGR 1104<br>EGR 1102 | <br><br>Discussion |
| 0202 | Leonard Taylor<br>TuTh 2:00pm - 3:15pm<br>W 2:00pm - 2:50pm | Seats (Total: 22)<br>EGR 1104<br>CHE 2145 | <br><br>Discussion |

**ENEE381** **Electromagnetic Wave Propagation**

**ENEE381** *(PermReq)* **Electromagnetic Wave Propagation; (3 credits)** Grade Method: REG.
*Prerequisite: ENEE380; and completion of all lower-division technical courses in the EE curriculum. Restriction: Must be in Engineering: Electrical program.* The electromagnetic spectrum: Review of Maxwell's equations; the wave equation potentials, Poynting's theorem, relationship between circuit theory and fields; propagation of electromagnetic waves in homogeneous media and at interfaces; transmission line theory, waveguides, radiation and antennas.

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|---|---|---|---|
| 0101 | Christopher Davis<br>MW 11:00am - 12:15pm<br>Tu 12:00pm - 12:50pm | Seats (Total: 25)<br>CHE 2108<br>EGR 0110 | <br><br>Discussion |
| 0102 | Christopher Davis<br>MW 11:00am - 12:15pm<br>Tu 1:00pm - 1:50pm | Seats (Total: 25)<br>CHE 2108<br>EGR 1108 | <br><br>Discussion |
| 0201 | Wesley Lawson<br>TuTh 12:30pm - 1:45pm<br>M 12:00pm - 12:50pm | Seats (Total: 25)<br>SPH 0302<br>EGR 0108 | <br><br>Discussion |
| 0202 | Wesley Lawson<br>TuTh 12:30pm - 1:45pm<br>M 2:00pm - 2:50pm | Seats (Total: 25)<br>SPH 0302<br>EGR 3102 | <br><br>Discussion |

**ENEE381H** **Electromagnetic Wave Propagation**

**ENEE381H** *(PermReq)* **Electromagnetic Wave Propagation; (3 credits)** Grade Method: REG.
*Prerequisite: ENEE380; and completion of all lower-division technical courses in the EE curriculum. Restriction: Must be in Engineering: Electrical program.* The electromagnetic spectrum: Review of Maxwell's equations; the wave equation potentials, Poynting's theorem, relationship between circuit theory and fields; propagation of electromagnetic waves in homogeneous media and at interfaces; transmission line theory, waveguides, radiation and antennas.

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| 0101 | Edward Ott<br>TuTh 9:30am - 10:45am<br>M 1:00pm - 1:50pm | Seats (Total: 15)<br>EGR 3111<br>EGR 1110 | <br><br>Discussion |

**ENEE408A** **Capstone Design Project:Microprocessor-Based Design**

**ENEE408A** *(PermReq)* **Capstone Design Project:Microprocessor-Based Design; (3 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course. Prerequisite: ENEE440.

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|---|---|---|---|
| 0101 | William Hawkins | Seats (Total: 12) | |
| | Th 9:30am - 10:45am | AVW 2446 | |
| | TBA | AVW 1454 | Lab |

**ENEE408D** **Capstone Design Project: Mixed Signal VLSI Design**

**ENEE408D** *(PermReq)* **Capstone Design Project: Mixed Signal VLSI Design; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. Restricted to ENEE and ENCP students. Prerequisite: ENEE303, ENEE307, and ENEE313. Click here for more course information.

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|---|---|---|---|
| 0101 | Pamela Abshire | Seats (Total: 28) | |
| | TuTh 9:30am - 10:20am | KEB 2107 | |
| | F 11:00am - 2:00pm | KEB 2107 | Discussion |

**ENEE408G** **Capstone Design Project: Multimedia Signal Processing**

**ENEE408G** *(PermReq)* **Capstone Design Project: Multimedia Signal Processing; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. Prerequisites: ENEE420 or 425. Click here for more course information.

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|---|---|---|---|
| 0101 | Shihab Shamma | Seats (Total: 12) | |
| | M 12:30pm - 1:45pm | KEB 2107 | |
| | W 2:00pm - 5:00pm | KEB 2107 | Lab |
| 0102 | Shihab Shamma | Seats (Total: 12) | |
| | M 12:30pm - 1:45pm | KEB 2107 | |
| | W 11:00am - 2:00pm | KEB 2107 | Lab |

**ENEE417** **Microelectronics Design Laboratory**

**ENEE417** *(PermReq)* **Microelectronics Design Laboratory; (2 credits)** Grade Method: REG.
*Prerequisite: Minimum grade of C- in ENEE307; and minimum grade of C- in ENEE313; and must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical Computer Engineering department. Restriction: Must be in one following programs (Engineering: Electrical; Engineering: Computer).* Students design and build fairly sophisticated circuits, mainly composed of discrete transistors and integrated circuits. Many of the projects are designed to require that students synthesize from what they have learned in many of the disciplines in electrical engineering. Students learn they can actually use their knowledge to build something very practical, which may include a high-fidelity amplifier, a radio, a memory cell, a transmitter, etc.

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| 0101 | Robert Newcomb<br>Tu 12:30pm - 1:20pm<br>M 2:00pm - 5:00pm | Seats (Total: 8)<br>JMP 2202<br>AVW 1334 | <br><br>Lab |
| 0102 | Robert Newcomb<br>Tu 12:30pm - 1:20pm<br>W 2:00pm - 5:00pm | Seats (Total: 8)<br>JMP 2202<br>AVW 1334 | <br><br>Lab |

**ENEE420** **Communication Systems**

**ENEE420** *(PermReq)* **Communication Systems; (3 credits)** Grade Method: REG.
*Prerequisite: ENEE324; and completion of all lower-division technical courses in the EE curriculum.* Fourier series, Fourier transforms and linear system analysis; random signals, autocorrelation functions and power spectral densities; analog communication systems: amplitude modulation, single-sideband modulation, frequency and phase modulation, sampling theorem and pulse-amplitude modulation; digital communication systems pulse-code modulation, phase-shift keying, differential phase shift keying, frequency shift keying; performance of analog and digital communication systems in the presence of noise. ENEE majors (09090) only.

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| 0101 | Mark Shayman<br>TuTh 11:00am - 12:15pm | Seats (Total: 40)<br>EGR 1104 | |

**ENEE425** **Digital Signal Processing**

**ENEE425** *(PermReq)* **Digital Signal Processing; (3 credits)** Grade Method: REG. *Prerequisite: ENEE322; and completion of all lower-division technical courses in the EE curriculum.* Sampling as a modulation process; aliasing; the sampling theorem; the Z-transform and discrete-time system analysis; direct and computer-aided design of recursive and nonrecursive digital filters; the Discrete Fourier Transform (DFT) and Fast Fourier Transform (FFT); digital filtering using the FFT; analog-to-digital and digital-to analog conversion; effects of quantization and finite-word-length arithmetic. ENEE majors (09090) only.

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| 0101 | Raghuveer Rao<br>TuTh 2:00pm - 3:15pm | Seats (Total: 40)<br>BPS 1236 | |

**ENEE428** **Communications Design Laboratory**

**ENEE428** *(PermReq)* **Communications Design Laboratory; (2 credits)** Grade Method: REG.

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| 0101 | Steven Tretter<br>W 10:00am - 10:50am<br>F 9:00am - 12:00pm | Seats (Total: 8)<br>CSI 2118<br>AVW 1366 | <br><br>Lab |
| 0102 | Steven Tretter<br>W 10:00am - 10:50am<br>W 2:00pm - 5:00pm | Seats (Total: 8)<br>CSI 2118<br>AVW 1366 | <br><br>Lab |

**ENEE440** **Microprocessors**

**ENEE440** *(PermReq)* **Microprocessors; (3 credits)** Grade Method: REG. *Prerequisite: ENEE350; and completion of all lower division technical courses in the EE curriculum. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical).* Microprocessor architectures, instruction sets, and applications. Bus structures, memory, I/O interfacing. Assembly language programming, LSI device configuration, and the embedding of microprocessors in systems.

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| 0101 | William Hawkins<br>TuTh 11:00am - 12:15pm | Seats (Total: 30)<br>EGR 2154 | |

**ENEE445** **Computer Laboratory**

**ENEE445** *(PermReq)* **Computer Laboratory; (2 credits)** Grade Method: REG. *Prerequisite: Minimum grade of C- in ENEE205; or minimum grade of C- in ENEE206. And minimum grade of C- in ENEE350; and must have earned a minimum grade of regular (letter) C- in all 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical).* This laboratory course focuses on the hardware/software interface in computer systems. Hand-on experiments are used to teach design, construction, analysis, and measurement of both hardware and software for embedded systems. Projects emphasize using microcontrollers for control, sensing, and communication through various I/O devices.

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|---|---|---|---|
| 0101 | William Hawkins | Seats (Total: 12) | |
| | Tu 9:30am - 10:20am<br>Th 2:00pm - 5:00pm | EGR 3114<br>AVW 1454 | Lab |

**ENEE446** **Digital Computer Design**

**ENEE446** *(PermReq)* **Digital Computer Design; (3 credits)** Grade Method: REG. *Prerequisite: ENEE350; and completion of all lower-division technical courses in the EE curriculum.* Hardware design of digital computers. Arithmetic and logic units, adders, multipliers and dividers. Floating-point arithmetic units. Bus and register structures. Control units, both hardwired and microprogrammed. Index registers, stacks, and other addressing schemes. Interrupts, DMA and interfacing. ENEE majors (09090) only.

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| 0101 | Yavuz Oruc | Seats (Total: 40) |
| | MW 11:00am - 12:15pm | CHE 2136 |
| 0201 | Uzi Vishkin | Seats (Total: 40) |
| | TuTh 2:00pm - 3:15pm | ITV 1100 |

**ENEE461** **Control Systems Laboratory**

**ENEE461** *(PermReq)* **Control Systems Laboratory; (3 credits)** Grade Method: REG.
*Prerequisite: Minimum grade of C- in ENEE205; or minimum grade of C- in ENEE206. And minimum grade of C- in ENEE322; and must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). Credit only granted for: ENEE461, ENME461, or ENME489N.* Students will design, implement, and test controllers for a variety of systems. This will enhance their understanding of feedback control and familiarize them with the characteristics and limitations of real control devices. They will also complete a small project. This will entail writing a proposal, purchasing parts for their controller, building the system, testing it, and writing a final report describing what they have done. Prerequisite: permission of department. Also offered as ENME461.

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| 0101 | William Levine<br>MW 9:00am - 9:50am<br>M 2:00pm - 5:00pm | Seats (Total: 14)<br>ANS 0408<br>KEB 3209 | <br><br>Lab |
| 0102 | William Levine<br>MW 9:00am - 9:50am<br>W 2:00pm - 5:00pm | Seats (Total: 14)<br>ANS 0408<br>KEB 3209 | <br><br>Lab |
| 0103 | William Levine<br>MW 9:00am - 9:50am<br>F 9:00am - 12:00pm | Seats (Total: 14)<br>ANS 0408<br>KEB 3209 | <br><br>Lab |
| 0104 | William Levine<br>MW 9:00am - 9:50am<br>W 11:00am - 2:00pm | Seats (Total: 14)<br>ANS 0408<br>KEB 3209 | <br><br>Lab |

**ENEE463** **Digital Control Systems**

**ENEE463** *(PermReq)* **Digital Control Systems; (3 credits)** Grade Method: REG.
*Prerequisite: ENEE322; and completion of lower-division technical courses in the EE curriculum. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer). Formerly: ENEE469E.* Introduction to techniques for the analysis and design of linear control systems and implementation of control systems using digital technology. Topics include linearization, solution of linear equations, z-transforms and Laplace transforms, design of linear controllers, optimal control, and digital implementation of control designs. Students will use MATLAB for the solution of problems and the design of control systems.

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| 0101 | Gilmer Blankenship<br>MW 11:00am - 12:15pm | Seats (Total: 40)<br>EGR 1104 | |

**ENEE473** **Electrical Machines Laboratory**

**ENEE473** *(PermReq)* **Electrical Machines Laboratory; (2 credits)** Grade Method: REG.
*Prerequisite: 1 course with a minimum grade of C- from (ENEE205, ENEE206); and must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical Computer Engineering department. Restriction: Must be in one following programs (Engineering: Electrical; Engineering: Computer).* Experiments involving single and three phase transformers, induction machines, synchronous machines and D.C. machines.

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| 0101 | Patrick McAvoy<br>F 1:00pm - 1:50pm<br>F 2:00pm - 5:00pm | Seats (Total: 12)<br>CSI 2120<br>AVW 1360 | <br><br>Lab |
| 0102 | Patrick McAvoy<br>F 1:00pm - 1:50pm<br>F 9:00am - 12:00pm | Seats (Total: 12)<br>CSI 2120<br>AVW 1360 | <br><br>Lab |
| 0103 | Patrick McAvoy<br>F 1:00pm - 1:50pm<br>Tu 9:00am - 12:00pm | Seats (Total: 12)<br>CSI 2120<br>AVW 1360 | <br><br>Lab |

**ENEE475** **Power Electronics**

**ENEE475** *(PermReq)* **Power Electronics; (3 credits)** Grade Method: REG. *Prerequisite: Minimum grade of C- in ENEE303; and must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer).* This course is suitable for undergraduate and graduate students who want to learn the basic principles of power electronics and its applications. Special emphasis is placed on interdisciplinary nature of power electronics. Strong and intimate connections between power electronics and circuit theory, electronic circuits, semiconductor devices, electric power, magnetic, motor drives and control are stressed.

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| 0101 | Isaak Mayergoyz<br>TuTh 3:30pm - 4:45pm | Seats (Total: 70)<br>CSI 3117 |

**ENEE488** **Independent Study in Electrical and Computer Engineering**

**ENEE488 Independent Study in Electrical and Computer Engineering; (1-3 credits)** Grade Method: REG.

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| 0201 | John Baras<br>Contact instructor or department for details. | Seats (Total: 3) |
| 1201 | Romel Gomez<br>Contact instructor or department for details. | Seats (Total: 3) |
| 1801 | Robert Newcomb<br>Contact instructor or department for details. | Seats (Total: 3) |
| 5601 | Jonathan Simon<br>Contact instructor or department for details. | Seats (Total: 10) |

**ENEE489Q** **Topics in Electrophysics; Quantum Phenomena in Electrical Engineering**

**ENEE489Q Topics in Electrophysics: Quantum Phenomena in Electrical Engineering; (3 credits)** Grade Method: REG.
Prerequisite: MATH241 and (ENEE222 or ENEE241), ENEE303, ENEE381 and ENEE380. The course provides fundamental understanding of quantum mechanical principles for electrical engineering and nanotechnology applications. It is designed to acquaint electrical and computer engineering students with concepts on which modern electronic and optical devices are based. Topics include: wave phenomena and wave-particle duality, photons and quantum states, entanglement, paradoxes, quantum crytography, Schrodingers equation in 1-dimension, bound states,tunneling, scatteringproblems, optoelectronic and electronic devices and superconducting Josephson's junctions.

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| 0101 | Julius Goldhar | Seats (Total: 30) |
| | TuTh 2:00pm - 3:15pm | CHE 2116 |

**ENEE496** **Lasers and Electro-optic Devices**

**ENEE496** *(PermReq)* **Lasers and Electro-optic Devices; (3 credits)** Grade Method: REG.
*Prerequisite: ENEE381; and completion of all lower-division technical courses in the EE curriculum. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical).* Modern physical optics: Gaussian beams, optical resonators, optical waveguides; theory of laser oscillation, rate equations; common laser systems. Selected modern optoelectronic devices like detectors and modulators. Role of lasers and optoelectronics in modern technology.

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| 0101 | Mario Dagenais | Seats (Total: 40) |
| | TuTh 9:30am - 10:45am | EGR 3106 |

**ENEE499** **Senior Projects in Electrical and Computer Engineering**

**ENEE499** *(PermReq)* **Senior Projects in Electrical and Computer Engineering; (1-5 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
ENEE majors (09090) only.

**Contact department for information to register for this course.**

**ENEE499L** **Senior Projects in Electrical and Computer Engineering**
**Contact department for information to register for this course.**

**ENEE499R** **Senior Projects in Electrical and Computer Engineering**
**Contact department for information to register for this course.**

**ENEE499T** **Senior Projects in Electrical and Computer Engineering; Undergraduate Teaching Experience**
**Contact department for information to register for this course.**

**ENEE601** **Semiconductor Devices and Technology**

**ENEE601 Semiconductor Devices and Technology; (3 credits)** Grade Method: REG/AUD.
*Recommended: ENEE413 and ENEE600. Credit only granted for: ENEE601 or ENEE697. Formerly: ENEE697.* The principles, structures and characteristics of semiconductor devices. Technology and fabrication of semiconductor devices.

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| 0101 | Agisilaos Iliadis | Seats (Total: 30) |
| | TuTh 3:30pm - 4:45pm | CHE 2118 |

**ENEE611** **Integrated Circuit Design and Analysis**

**ENEE611 Integrated Circuit Design and Analysis; (3 credits)** Grade Method: REG/AUD.
*Recommended: ENEE610. Credit only granted for: ENEE611 or ENEE696. Formerly: ENEE696.* Active and passive elements used in semiconductor structures. Design application of linear and digital integrated circuits.

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| 0101 | Timothy Horiuchi | Seats (Total: 30) |
| | MW 3:30pm - 4:45pm | EGR 2154 |

**ENEE620** **Random Processes in Communication and Control**

**ENEE620 Random Processes in Communication and Control; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ENEE324; or students who have taken courses with comparable content may contact the department.* Introduction to random processes: characterization, classification, representation; Gaussian and other examples. Linear operations on random processes, stationary processes: covariance function and spectral density. Linear least square waveform estimating Wiener-Kolmogroff filtering, Kalman-Bucy recursive filtering: function space characterization, non-linear operations on random processes.

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| 0101 | Richard La | Seats (Total: 25) | |
| | MW 2:00pm - 3:15pm<br>F 12:00pm - 12:50pm | CSI null<br>EGR 0108 | Discussion |

**ENEE621** **Estimation and Detection Theory**

**ENEE621 Estimation and Detection Theory; (3 credits)** Grade Method: REG/AUD. *Prerequisite: ENEE620; or students who have taken courses with comparable content may contact the department.* Estimation of unknown parameters, Cramer-Rao lower bound; optimum (map) demodulation; filtering, amplitude and angle modulation, comparison with conventional systems; statistical decision theory Bayes, minimax, Neyman/Pearson, Criteria-68 simple and composite hypotheses; application to coherent and incoherent signal detection; M-ary hypotheses; application to uncoded and coded digital communication systems.

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| 0101 | Richard La | Seats (Total: 45) | |
| | TuTh 12:30pm - 1:45pm | CSI 2117 | |

**ENEE627** **Information Theory**

**ENEE627 Information Theory; (3 credits)** Grade Method: REG/AUD. *Prerequisite: ENEE620. Credit only granted for: ENEE627 or ENEE721. Formerly: ENEE721.* Information measures and their properties; entropy, relative entropy and mutual information. Information source models. Lossless data compression: the Kraft inequality, Shannon-Fano and Huffman codes. Typical sequences, asymptotic equipartition property, lossy source coding. Discrete memoryless channels: capacity, channel coding theorem. The additive Gaussian channel. Source coding under a fidelity constraint: rate distortion function and rate distortion theorem.

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| 0101 | Prakash Narayan | Seats (Total: 50) | |
| | TuTh 3:30pm - 4:45pm | KEB 1110 | |

**ENEE631** **Digital Image and Video Processing**

**ENEE631 Digital Image and Video Processing; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ENEE620 and ENEE630; or students who have taken courses with comparable content may contact the department.* Foundations of digital image and video processing. Topics covered: 2-D systems and transforms; image acquisition and perception; multi-dimensional sampling; quantization; linear and non-linear techniques for image enhancement and restoration; basics on image analysis; lossless and lossy image compression; motion estimation and compensation; still image and video coding standards; applications of image and video processing.

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| 0101 | Min Wu | Seats (Total: 30) |
| | MW 12:30pm - 1:45pm | EGR 1104 |

**ENEE634** **Space-Time Signal Process**

**ENEE634 Space-Time Signal Process; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ENEE620 and ENEE630. Credit only granted for: ENEE634 or ENEE724. Formerly: ENEE724.* Space-time processing aspects of signal processing with applications to wireless communications are considered, including fast algorithms, numerical computation, adaptive beamforming, direction of arrivals estimation, array processing, adaptive algorithms (least means square algorithms and recursive least means square algorithms), channel equalization, blind equalization and identification, and space-time coding, modulation, and MIMO communications and signal processing.

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| 0101 | KJ Ray Liu | Seats (Total: 30) |
| | TuTh 11:00am - 12:15pm | EGR 3111 |

**ENEE644** **Computer-Aided Design of Digital Systems**

**ENEE644 Computer-Aided Design of Digital Systems; (3 credits)** Grade Method: REG/AUD.
Design methodologies for digital systems using a modern hardware description language. Algorithmic, architectural and implementation aspects of arithmetic processing elements. Design of Complex Instruction Set (CISC), Reduced Instruction Set (RISC), and floating point processors. Synthesis, simulation and testing of processors with computer-aided design tools. Students in some sections may, on permission, fabricate VLSI chips via MOSIS.

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| 0101 | Kazuo Nakajima | Seats (Total: 30) |
| | MW 12:30pm - 1:45pm | CHE 2136 |

**ENEE645** **Compilers and Optimization**

**ENEE645 Compilers and Optimization; (3 credits)** Grade Method: REG/AUD. *Prerequisite: ENEE350 or CMSC216; or students who have taken courses with comparable content may contact the department. Credit only granted for: ENEE645 or ENEE759C. Formerly: ENEE759C.* The compilation, linking and loading process. Using lexical analyzers and parsers. Intermediate forms. Global, stack and heap objects, and their addressing modes. Stack implementation. Control flow analysis and optimization. Dataflow analysis and optimization including Static, single assignment. Alias analysis.

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| 0101 | Rajeev Barua | Seats (Total: 30) |
| | TuTh 2:00pm - 3:15pm | SPH 0302 |

**ENEE661** **Nonlinear Control Systems**

**ENEE661 Nonlinear Control Systems; (3 credits)** Grade Method: REG/AUD. *Prerequisite: ENEE660; and (MATH410 or MATH411; or students who have taken courses with comparable content may contact the department). Or permission of instructor.* State space methods of stability analysis including second order systems and the phase plane, linearization and stability in the small, stability in the large and Lyapunov's second method. Frequency domain methods including the describing function. Popov's method and functional analytic methods. Introduction to Volterra series representations of nonlinear systems. Applications to conrol system design.

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| 0101 | Perinkulam Krishnaprasad | Seats (Total: 32) |
| | TuTh 12:30pm - 1:45pm | CSI 2118 |

**ENEE664** **Optimal Control**

**ENEE664 Optimal Control; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ENEE660 and MATH140; or students who have taken courses with comparable content may contact the department; or permission of instructor. Corequisite: MATH411; or permission of instructor.* General optimization and control problems. Conditions of optimality for unconstrained and constrained optimization problems; sensitivity; duality. Introduction to linear and nonlinear programming methods. Dynamic optimization. Discrete time maximum principle and applications. Pontryagin maximum principle in continuous time. Dynamic programming. Feedback realization of optimal control.

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| 0101 | Andre Tits<br>MW 3:30pm - 4:45pm | Seats (Total: 30)<br>CHE 2136 |

**ENEE681** **Electromagnetic Theory II**

**ENEE681 Electromagnetic Theory II; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ENEE381; or students who have taken courses with comparable content may contact the department.* Continuation of ENEE 680. Theoretical analysis and engineering applications of Maxwell's equations. The homogeneous wave equation. Plane wave propagation. The interaction of plane waves and material media. Retarded potentials. The Hertz potential. Simple radiating systems. Relativisitic covariance of Maxwell's equations.

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| 0101 | Howard Milchberg, Amir Najmi<br>MW 2:00pm - 3:15pm | Seats (Total: 30)<br>EGR 2154 |

**ENEE691** **Optical Communication Systems**

**ENEE691 Optical Communication Systems; (3 credits)** Grade Method: REG/AUD.
Optical components and systems. Measures of performance of optical communication systems. Topics include: single and multi-mode optical fibers, DFB and DBR lasers, transmitters and receivers, pin and APD detectors, noise analysis, receiver sensitivity modulation formats, system performance, bit-error-rate, power budget, TDM and WDM systems, network architecture.

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| 0101 | Mario Dagenais<br>TuTh 12:30pm - 1:45pm | Seats (Total: 25)<br>EGR 2154 |

**ENEE698C** **Graduate Seminar; Controls**

**ENEE698C Graduate Seminar: Controls; (1 credit)** Grade Method: REG/AUD/S-F.
Click here for more course information.

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| 0101 | Michael Rotkowitz<br>Tu 5:00pm - 6:50pm | Seats (Total: 20)<br>CSI 2120 |

**ENEE698D** **Graduate Seminar; Electrophysics**

**ENEE698D Graduate Seminar: Electrophysics; (1 credit)** Grade Method: REG/AUD/S-F.
Also offered as PHYS798D. Click here for more course information.

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| 0101 | Phillip Sprangle<br>W 11:00am - 11:50am | Seats (Total: 41)<br>KEB 1200 |

**ENEE698E** **Graduate Seminar; Graduate Seminar: Microelectronics**

**ENEE698E Graduate Seminar: Graduate Seminar: Microelectronics; (1-2 credits)** Grade Method: REG/AUD/S-F.
Click here for more course information.

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| 0101 | Robert Newcomb<br>Tu 5:00pm - 5:50pm | Seats (Total: 20)<br>CSI 2118 |

**ENEE698Q** **Graduate Seminar; Colloquium Series**

**ENEE698Q Graduate Seminar: Colloquium Series; (1 credit)** Grade Method: REG/AUD/S-F.
Click here for more course information.

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| 0101 | Ramalingam Chellappa<br>F 3:00pm - 4:00pm | Seats (Total: 80)<br>KEB 1110 |

**ENEE699** **Independent Studies in Electrical Engineering**

**ENEE699** *(PermReq)* **Independent Studies in Electrical Engineering; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ENEE759T** **Advanced Topics in Computer Engineering; Challenges in Automated System Design Methodologies**

**ENEE759T Advanced Topics in Computer Engineering: Challenges in Automated System Design Methodologies; (3 credits)** Grade Method: REG/AUD. Click here for more course information.

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| 0101 | Ankur Srivastava | Seats (Total: 30) |
| | MW 2:00pm - 3:15pm | CHE 2136 |

**ENEE790** **Quantum Electronics I**

**ENEE790 Quantum Electronics I; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Must have knowledge of quantum mechanics; or permission of instructor.*
Spontaneous emission, interaction of radiation and matter, masers, optical resonators, the gas, solid and semi-conductor lasers, electro-optical effect, propagation in anisotropic media and light modulation.

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| 0101 | Edo Waks | Seats (Total: 30) |
| | TuTh 11:00am - 12:15pm | CSS 2416 |

**ENEE799** **Master's Thesis Research**

**ENEE799** *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ENEE889** **Teaching Workshop**
**Contact department for information to register for this course.**

**ENEE898** **Pre-Candidacy Research**

**ENEE898** *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ENEE899** **Doctoral Dissertation Research**

**ENEE899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# ENES Engineering Science Spring 2013

**ENES100** **Introduction to Engineering Design**

**ENES100** *(PermReq)* **Introduction to Engineering Design; (3 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Scholarship in Practice.
*Corequisite: MATH140.* Students work as teams to design and build a product using computer software for word-processing, spreadsheet, CAD, and communication skills.

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| 0101 | George Syrmos<br>MW 10:00am - 11:50am<br>F 11:00am - 11:50am | Seats (Total: 38)<br>JMP 1116<br>EGR 1202 | <br><br>Lab |
| 0102 | Evandro Valente<br>MW 10:00am - 11:50am<br>F 11:00am - 11:50am | Seats (Total: 30)<br>JMP 1215<br>EGR 1202 | <br><br>Lab |
| 0201 | Romel Gomez<br>TuTh 10:00am - 11:50am<br>F 11:00am - 11:50am | Seats (Total: 34)<br>JMP 1116<br>EGR 1202 | <br><br>Lab |
| 0301 | Evandro Valente<br>MW 12:00pm - 1:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 38)<br>JMP 1116<br>EGR 1202 | <br><br>Lab |
| 0401 | Kevin Calabro, Stephen Kamakaris<br>TuTh 12:00pm - 1:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 38)<br>JMP 1116<br>EGR 1202 | <br><br>Lab |
| 0501 | Christopher Davis<br>MW 2:00pm - 3:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 30)<br>JMP 1116<br>EGR 1202 | <br><br>Lab |
| 0601 | Peter Sunderland<br>TuTh 2:00pm - 3:50pm<br>F 11:00am - 11:50am | Seats (Total: 38)<br>JMP 1116<br>EGR 1202 | <br><br>Lab |

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| 0602 | Kevin Calabro<br>TuTh 2:00pm - 3:50pm<br>Class time/details on ELMs | Seats (Total: 20)<br>JMP 1215<br>ONLINE | <br><br>Lab |
| 0701 | Evandro Valente<br>MW 4:00pm - 5:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 30)<br>JMP 1116<br>EGR 1202 | <br><br>Lab |

**ENES100A** **Introduction to Engineering Design**

**ENES100A** *(PermReq)* **Introduction to Engineering Design; (3 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Scholarship in Practice.
*Corequisite: MATH140.* Students work as teams to design and build a product using computer software for word-processing, spreadsheet, CAD, and communication skills. Restricted to non-engineering students.

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| 0101 | George Syrmos<br>MW 10:00am - 11:50am<br>F 11:00am - 11:50am | Seats (Total: 10)<br>JMP 1116<br>EGR 1202 | <br><br>Lab |
| 0102 | Evandro Valente<br>MW 10:00am - 11:50am<br>F 11:00am - 11:50am | Seats (Total: 10)<br>JMP 1215<br>EGR 1202 | <br><br>Lab |
| 0201 | Romel Gomez<br>TuTh 10:00am - 11:50am<br>F 11:00am - 11:50am | Seats (Total: 14)<br>JMP 1116<br>EGR 1202 | <br><br>Lab |
| 0301 | Evandro Valente<br>MW 12:00pm - 1:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 10)<br>JMP 1116<br>EGR 1202 | <br><br>Lab |
| 0401 | Stephen Kamakaris, Kevin Calabro<br>TuTh 12:00pm - 1:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 10)<br>JMP 1116<br>EGR 1202 | <br><br>Lab |
| 0501 | Christopher Davis<br>MW 2:00pm - 3:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 18)<br>JMP 1116<br>EGR 1202 | <br><br>Lab |

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| 0601 | Peter Sunderland<br>TuTh 2:00pm - 3:50pm<br>F 11:00am - 11:50am | Seats (Total: 10)<br>JMP 1116<br>EGR 1202 | <br><br>Lab |
| 0602 | Kevin Calabro<br>TuTh 2:00pm - 3:50pm<br>Class time/details on ELMs | Seats (Total: 15)<br>JMP 1215<br>ONLINE | <br><br>Lab |
| 0701 | Evandro Valente<br>MW 4:00pm - 5:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 18)<br>JMP 1116<br>EGR 1202 | <br><br>Lab |

**ENES102** **Mechanics I**

**ENES102** *(PermReq)* **Mechanics I; (3 credits)** Grade Method: REG/P-F/AUD. *Corequisite: MATH140. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering. Formerly: ENES110.* The equilibrium of stationary bodies under the influence of various kinds of forces. Forces, moments, couples, equilibrium, trusses, frames and machines, centroids, moment of inertia, beams, friction, stress/strain, material properties. Vector and scalar methods are used to solve problems.

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|---|---|---|---|
| 0101 | Peter Chang<br>MW 9:00am - 9:50am<br>F 9:00am - 10:50am | Seats (Total: 50)<br>HBK 0115<br>CSS 2428 | <br><br>Discussion |
| 0103 | Thomas Beigel<br>MW 10:00am - 10:50am<br>F 10:00am - 11:50am | Seats (Total: 50)<br>CHE 2118<br>CHM 0115 | <br><br>Discussion |
| 0105 | Thomas Beigel<br>MW 12:00pm - 12:50pm<br>F 12:00pm - 1:50pm | Seats (Total: 50)<br>CHM 0115<br>CHM 0115 | <br><br>Discussion |
| 0107 | Robert Bonenberger<br>MW 1:00pm - 1:50pm<br>F 1:00pm - 2:50pm | Seats (Total: 50)<br>HBK 0115<br>CSI 1122 | <br><br>Discussion |
| 0109 | Robert Bonenberger<br>MW 10:00am - 10:50am<br>F 10:00am - 11:50am | Seats (Total: 50)<br>CSS 2428<br>SYM 0200 | <br><br>Discussion |

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| 0201 | William Fourney<br>TuTh 2:00pm - 2:50pm<br>F 2:00pm - 3:50pm | Seats (Total: 50)<br>JMP 1109<br>CHM 2201 | <br><br>Discussion |
| 0401 | Mary Bowden<br>MW 2:00pm - 2:50pm<br>F 2:00pm - 3:50pm | Seats (Total: 50)<br>PLS 1130<br>HBK 0115 | <br><br>Discussion |

**ENES108** **Achieving College Success: First Year Transition**

**ENES108 Achieving College Success: First Year Transition; (1 credit)** Grade Method: REG/P-F/AUD.

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| 0101 | Fredy Uruchima<br>Th 6:00pm - 7:30pm | Seats (Total: 15)<br>EGR 3114 |

**ENES114** **Virtus Seminar II**

**ENES114 Virtus Seminar II; (1 credit)** Grade Method: REG.
*Prerequisite: ENES113. Restriction: Students must be participants in the Virtus Living and Learning Community.* Focus on personal and professional development with engineering with a strong emphasis on career development. Learn to employ strategies and skills for academic and professional success.

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| 0101 | Veronica Perrigan<br>W 4:00pm - 5:15pm | Seats (Total: 40)<br>KEB 1110 |
| 0201 | Veronica Perrigan<br>Contact instructor or department for details. | Seats (Total: 20) |

**ENES116** **FLEXUS Living and Learning Community Seminar II**

**ENES116 FLEXUS Living and Learning Community Seminar II; (1 credit)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENES215, ENES115, and ENES116. Restriction: Must be a second year FLEXUS participant (coded as WCY).* The seminar focuses on personal and professional development by enhancing technical ability, understanding educational options through minors and student projects in engineering, identifying and employing strategies and skills for academic and professional success, and developing career commitment through networking and mentoring. Students develop professional portfolios in preparation for a future internship or job.

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| 0101 | Paige Smith, Veronica Perrigan<br>W 4:00pm - 5:15pm | Seats (Total: 60)<br>KEB 1110 |
| 0102 | Veronica Perrigan, Paige Smith<br>Contact instructor or department for details. | Seats (Total: 10) |

**ENES154** **EES Fellows Seminar II**

**ENES154 EES Fellows Seminar II; (1 credit)** Grade Method: REG.
*Prerequisite: ENES151 or ENES152.* The main objective of the course is to help students gain the skills and knowledge necessary for an effective transition into industry and/or graduate school.

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| 0101 | Deborah Vidmar<br>W 4:00pm - 5:15pm | Seats (Total: 23)<br>EGR 1131B |

**ENES210** **Entrepreneurial Opportunity Analysis and Decision-Making in 21st Century Technology Ventures**

**ENES210 Entrepreneurial Opportunity Analysis and Decision-Making in 21st Century Technology Ventures; (3 credits)** Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
This multi-disciplinary course helps students learn the principles of entrepreneurial opportunity analysis and decision-making in an increasingly dynamic and technically-inclined society. Emphasis is placed on how aspiring technology entrepreneurs can develop their entrepreneurial perspectives to develop winning entrepreneurial plans for their future ventures.

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| HSWJ | Satish Tamboli<br>TuTh 7:35am - 8:50am | Seats (Total: 30)<br>Location: TBA |
| | *Restricted to Young Scholars students. Enrollment by Office of Extende Studies permission only.* | |

**ENES214** **Virtus Seminar IV**

**ENES214** *(PermReq)* **Virtus Seminar IV; (1 credit)** Grade Method: REG. *Prerequisite: Students must have completed ENES213. Restriction: Students must be participants in the Virtus Living and Learning Community.* Students continue to develop their leadership and mentoring skills, participate in networking opportunities and explore their interest in special engineering topics.

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| 0101 | Tamara Fuller<br>Th 4:00pm - 5:15pm | Seats (Total: 40)<br>SPH 0308 |

**ENES216** **FLEXUS Living and Learning Community Seminar IV**

**ENES216 FLEXUS Living and Learning Community Seminar IV; (1 credit)** Grade Method: REG/P-F/AUD. *Prerequisite: ENES115, ENES116, and ENES215. Restriction: Restricted to second year FLEXUS participants.* The seminar focuses on gender diversity and its cross-sections with culture. Students continue to enhance their leadership and mentoring skills, participate in networking opportunities with women in leadership roles and careers in engineering, and engage in opportunities for outreach and service-learning. Students will also complete a culminating semester project.

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| 0101 | Paige Smith<br>W 5:00pm - 6:15pm | Seats (Total: 30)<br>EGR 2154 |
| 0102 | Paige Smith<br>Contact instructor or department for details. | Seats (Total: 20) |

**ENES220** **Mechanics II**

**ENES220** *(PermReq)* **Mechanics II; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: Minimum grade of C- in ENES102; and (MATH141 and PHYS161). Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; and must not be in Engineering: Electrical program.* Stress and deformation of solids-rods, beams, shafts, columns, tanks, and other structural, machine and vehicle members. Topics include stress transformation using Mohr's circle; shear and moment diagrams; derivation of elastic curves; and Euler's buckling formula. Design problems related to this material are given in lab.

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| 0101 | Thomas Beigel<br>MW 2:00pm - 2:50pm<br>F 2:00pm - 3:50pm | Seats (Total: 55)<br>CHM 0115<br>CHM 0115 | <br><br>Discussion |
| 0102 | Teng Li<br>MW 9:00am - 9:50am<br>F 9:00am - 10:50am | Seats (Total: 55)<br>CHM 0115<br>CSI 3117 | <br><br>Discussion |
| 0103 | Bongtae Han<br>MW 10:00am - 10:50am<br>F 10:00am - 11:50am | Seats (Total: 55)<br>CSI 3117<br>CHM 2201 | <br><br>Discussion |

**ENES221** **Dynamics**

**ENES221** *(PermReq)* **Dynamics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: Minimum grade of C- in ENES102; and (MATH141 and PHYS161). Restriction: Must be in a major in ENGR-A. James Clark School of Engineering.* Systems of heavy particles and rigid bodies at rest and in motion. Force-acceleration, work-energy and impulse-momentum relationships. Motion of one body relative to another in a plane and in space. Engineering College (04) only.

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| 0101 | James Duncan<br>TuTh 9:00am - 9:50am<br>F 9:00am - 10:50am | Seats (Total: 63)<br>SYM 0200<br>KEB 1110 | <br><br>Discussion |
| 0104 | James Duncan<br>TuTh 1:00pm - 1:50pm<br>F 1:00pm - 2:50pm | Seats (Total: 63)<br>CHE 2110<br>SPH 1301 | <br><br>Discussion |

**ENES232** **Thermodynamics**

**ENES232 Thermodynamics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: PHYS261 and PHYS260. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering. Credit only granted for: BIOE232, CHBE300, ENCH300, ENES232, ENMA461, ENME320, or ENME232. Formerly: ENME232 and ENME320.* Introduction to thermodynamics. Thermodynamic properties of matter. First and second laws of thermodynamics, cycles, reactions, and mixtures.

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| 0101 | Kristen Hines<br>MW 9:00am - 9:50am<br>F 9:00am - 10:50am | Seats (Total: 60)<br>CSI 2117<br>CSI 2117 | <br><br>Discussion |
| 0201 | Raymond Sedwick<br>MW 1:00pm - 1:50pm<br>F 1:00pm - 2:50pm | Seats (Total: 60)<br>CSI 3117<br>PHY 1201 | <br><br>Discussion |
| 0301 | Chandrasekhar Thamire<br>MW 3:00pm - 3:50pm<br>F 2:00pm - 3:50pm | Seats (Total: 60)<br>PLS 1130<br>PLS 1130 | <br><br>Discussion |
| 0401 | Kristen Hines<br>MW 10:00am - 10:50am<br>F 11:00am - 12:50pm | Seats (Total: 60)<br>CSI 2117<br>CHE 2108 | <br><br>Discussion |

**ENES317** **Introduction to Engineering Leadership**

**ENES317 Introduction to Engineering Leadership; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. *Prerequisite: Permission of ENGR-A. James Clark School of Engineering.* Focus is placed on general leadership theories in addition to real-world applications of leadership in engineering education, industry, and government. Restricted to students in the Engineering Leadership Development minor. All others may go on the holdfile.

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| 0101 | Ramsey Jabaji<br>M 5:00pm - 7:45pm | Seats (Total: 30)<br>JMP 1202 | |

**ENES390H** **Systems Thinking for Managerial Decision Making**

**ENES390H Systems Thinking for Managerial Decision Making; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENES190 or BMGT190. Restriction: Must be in the QUEST program. Also offered as: BMGT390. Credit only granted for: BMGT390, BMGT498X, ENES390, or ENES498X.* An introduction to the theory, concepts, tools, and practices of systems thinking to enhance managerial decision making. Offers a blend of theory, real-life examples, and proven methods to initiate and sustain an organization-wide reorientation towards systems thinking. Restricted to QUEST program students. Also offered as BMGT390H.

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| 0101 | Jose Suarez<br>MW 11:00am - 12:15pm | Seats (Total: 40)<br>VMH 1418 |

**ENES440** **Science, Technology and Society: Certificate Program Capstone**

**ENES440** *(PermReq)* **Science, Technology and Society: Certificate Program Capstone; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Must be in the Science, Technology and Society certificate program; or permission of ENGR-A. James Clark School of Engineering. Credit only granted for: ENES440 or UNIV401. Formerly: UNIV401.* Capstone research seminar for students in the Science, Technology and Society certificate program.

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| 0101 | Betsy Mendelsohn<br>W 1:30pm - 3:00pm<br>Contact instructor or department for details. | Seats (Total: 25)<br>CCC 1115 |

**ENES458E** **Topics in International Engineering; Engineering in Spain**

**ENES458E** *(PermReq)* **Topics in International Engineering: Engineering in Spain; (1-3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of instructor or department.

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| 0101 | Jane Fines<br>Contact instructor or department for details. | Seats (Total: 6) |

**ENES462** **Marketing High-Technology Products and Innovations**

**ENES462 Marketing High-Technology Products and Innovations; (3 credits)**
Grade Method: REG/P-F/AUD.
Examines the opportunities and challenges of marketing high-technology products in turbulent environments requiring rapid decision making with incomplete information. Explores how innovations are introduced at frequent intervals, research-and-development spending is vital, and there are high mortality rates for both products and businesses.

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| 0101 | James Green<br>Tu 3:30pm - 4:45pm<br>Th 5:00pm - 6:15pm<br>*Restricted to student in the Hinman CEO Program.* | Seats (Total: 60)<br>SCC 2121<br>SQH 1119 |
| 0201 | Carolyn Karlson<br>F 12:00pm - 3:00pm<br>*Restricted to student in the Hillman Entrepreneurs Program.* | Seats (Total: 50)<br>JMP 1109 |

**ENES464** **International Entrepreneurship and Innovation**

**ENES464 International Entrepreneurship and Innovation; (3 credits)** Grade Method: REG/P-F/AUD.
Focuses on the need for every entrepreneur and innovator to understand the global market in today's hypercompetitive world, and to appreciate how to compete effectively in domestic markets by managing international competitors, suppliers, and influences. Explore how the distinction between foreign and domestic markets is becoming less pronounced. Develop skills to identify and manage opportunities on a global basis.

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| 0101 | James Green, Shyam Chidamber<br>TuTh 5:00pm - 6:15pm<br>*Restricted to student in the Hinman CEO Program.* | Seats (Total: 60)<br>SCC 2121 |
| 0201 | Joseph Mortati<br>W 5:00pm - 7:45pm<br>*Restricted to student in the Hillman Entrepreneurs Program.* | Seats (Total: 50)<br>POT 2111 |

**ENES472** **International Business Cultures in Engineering and Technology**

**ENES472 International Business Cultures in Engineering and Technology; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Permission of ENGR-A. James Clark School of Engineering. Restriction: Sophomore standing or higher. Also offered as: SLLC472. Credit only granted for: ARHU439B, ARHU439E, ARHU439T, ENES472, SLLC471, SLLC472, or SLLC473. Formerly: ARHU439T.* The goal is to provide students with an understanding of cultural aspects pertaining to global business and engineering and develop the cultural understanding, attitudes, and communication skills needed to function appropriately within an increasingly global and multicultural working environment. Restricted to students with the minor in international engineering (#EN01), in engineering leadership development (#EN04), in global poverty (#AG06), in terrorism studies (#BS07), or in international development and conflict management (#BS02). All other students can be placed on a hold file.

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| 0101 | Kevin McClure | Seats (Total: 45) |
| | Th 5:00pm - 7:45pm | HBK 0115 |

**ENES474** **Global Perspectives of Engineering**

**ENES474** *(PermReq)* **Global Perspectives of Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENES100; or permission of ENGR-A. James Clark School of Engineering. Restriction: Must be in the International Engineering Minor. Credit only granted for: ENES458M or ENES474. Formerly: ENES458M.* Faculty supervised research on aspects of engineering in a foreign country including leading fields of research, key world markets, and the culture of the engineering workplace. Students will produce a comprehensive report exhibiting their expertise in their chosen country and the field of engineering within.

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| 0101 | Jane Fines | Seats (Total: 5) |
| | TuTh 8:00am - 8:50am | EGR 1102 |
| | M 5:00pm - 5:50pm | EGR 3102 |

**ENES481** **Engineering Honors Seminar II**

**ENES481 Engineering Honors Seminar II; (1 credit)** Grade Method: REG.
*Restriction: Must be in College of Engineering Honors; and junior standing or higher.* Introduction to engineering creativity and innovation in engineering. Application of methods of creativity to topics in communication, conducting research, and leadership.

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| 0101 | Richard McCuen | Seats (Total: 20) | |
| | W 12:00pm - 12:50pm | EGR 1110 | |

**ENES489P** **Special Topics in Engineering; Hands-on Systems Engineering Projects**

**ENES489P Special Topics in Engineering: Hands-on Systems Engineering Projects; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | John Baras | Seats (Total: 60) | |
| | Th 3:30pm - 4:45pm | ANS 0408 | |
| | Tu 3:30pm - 6:30pm | AVW 2250 | Lab |

**ENES498E** **Special Topics in Entrepreneurship; Entrepreneurship in Chemical and Life Sciences**

**ENES498E Special Topics in Entrepreneurship: Entrepreneurship in Chemical and Life Sciences; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as CHEM498E.

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| 0101 | Frederick Khachik, Martha Connolly | Seats (Total: 28) |
| | Th 2:00pm - 4:45pm | POT 2111 |

**ENES601** **Future Faculty Program Seminar I**

**ENES601** *(PermReq)* **Future Faculty Program Seminar I; (1 credit)** Grade Method: REG/AUD.
*Restriction: Must be in the Clark School Future Faculty Program.* Introduction to and development of skills necessary to obtain and succeed in a university faculty position. Emphasis on technical writing and effective presentations. Discussion of research diversification, networking, ethics and professionalism.

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| 0101 | Amr Baz | Seats (Total: 25) |
| | Th 4:00pm - 5:15pm | EGR 1108 |

**ENES603** **Future Faculty Program Seminar III**

**ENES603** *(PermReq)* **Future Faculty Program Seminar III; (1 credit)** Grade Method: REG/AUD.
*Restriction: Must be in the Clark School Future Faculty Program.* Developing a successful faculty research program. Establishing and maintaining a research group. Finding funding opportunities and writing grant proposals. Mentoring graduate students. Faculty position application process. Preparing research and teaching statements.

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| 0101 | Ramalingam Chellappa | Seats (Total: 25) |
| | Th 3:30pm - 4:30pm | KEB 1200 |

**ENES604** **Future Faculty Program Teaching Practicum**

**ENES604 Future Faculty Program Teaching Practicum; (1 credit)** Grade Method: REG/AUD.
*Prerequisite: ENES602. Restriction: Must be a graduate student in the Clark School Future Faculty Program; and students for whom English is not the native language must pass the Maryland English Institute ITA Evaluation prior to enrolling in this course.* Graduate students will co-teach a course under supervision of a faculty mentor. Graudate students will be involved in all aspects of the course including development of syllabus, presenting lectures, writing and grading examiniations, and evaluating the students in the course. Restricted to the students in the Future Faculty program.

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| 0101 | Peter Kofinas | Seats (Total: 25) |
| | Contact instructor or department for details. | |

**ENES778A** **Special Topics in Entrepreneurship and Innovation; Idea to Market**

**ENES778A** *(PermReq)* **Special Topics in Entrepreneurship and Innovation: Idea to Market; (3 credits)** Grade Method: REG.

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| 0101 | Brent Goldfarb | Seats (Total: 40) |
| | **Meets January 22, 2013 - May 10, 2013** | |
| | Contact instructor or department for details. | |

# ENFP Engineering, Fire Protection Spring 2013

**ENFP300** **Fire Protection Fluid Mechanics**

**ENFP300** *(PermReq)* **Fire Protection Fluid Mechanics; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: MATH246; and must have completed or be concurrently enrolled in PHYS260 and PHYS261. Restriction: Permission of ENGR-Fire Protection Engineering department.* Presents students with the fundamental properties of fluids and fluid movement. Both static and dynamic fluid problems will be considered with an emphasis on fire protection systems.

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| 0101 | Michael Gollner<br>Tu 9:30am - 10:45am<br>Th 9:30am - 10:45am | Seats (Total: 49)<br>HJP 1104<br>HJP 1104 | <br><br>Discussion |

**ENFP320** **Fire Assessment Methods and Laboratory**

**ENFP320** *(PermReq)* **Fire Assessment Methods and Laboratory; (4 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENFP312. Restriction: Must be in Engineering: Fire Protection program.* Experimental evaluation of ignition, flame spread, rate of heat release and smoke production of furnishings and interior finish materials.

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| 0101 | Andre Marshall<br>TuTh 12:30pm - 1:45pm<br>Th 2:00pm - 3:15pm | Seats (Total: 10)<br>ITV 1100<br>JMP 3229 | <br><br>Lab |
| 0102 | Andre Marshall<br>TuTh 12:30pm - 1:45pm<br>Th 3:00pm - 4:15pm | Seats (Total: 10)<br>ITV 1100<br>JMP 3229 | <br><br>Lab |
| 0103 | Andre Marshall<br>TuTh 12:30pm - 1:45pm<br>Th 4:00pm - 5:15pm | Seats (Total: 10)<br>ITV 1100<br>JMP 3229 | <br><br>Lab |
| 0104 | Andre Marshall<br>TuTh 12:30pm - 1:45pm<br>Th 5:00pm - 6:15pm | Seats (Total: 10)<br>ITV 1100<br>JMP 3229 | <br><br>Lab |

**ENFP350** **Professional Development Seminar**

**ENFP350** *(PermReq)* **Professional Development Seminar; (1 credit)** Grade Method: REG/P-F/AUD.
*Prerequisite: Permission of ENGR-Fire Protection Engineering department. Restriction: Junior standing or higher. Credit only granted for: ENFP350 or ENFP450. Formerly: ENFP450.* An integrative, upper level professional development seminar covering topics such as engineering ethics, professional licensing, codes and standards, intellectual property, career selection and various contemporary issues in fire protection engineering.

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| 0101 | Stanislav Stoliarov | Seats (Total: 49) |
| | Tu 3:30pm - 4:50pm | ITV 1100 |

**ENFP410** **Advanced Fire Suppression**

**ENFP410** *(PermReq)* **Advanced Fire Suppression; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENFP250, ENFP310, and ENFP312. Restriction: Permission of ENGR-Fire Protection Engineering department. Credit only granted for: ENFP 410, ENFP 653, or ENFP629C.* Analysis of application and theory of fire suppression systems. The key elements of fire suppression systems will be discussed along with how they interact for effective fire suppression design. Physical mechanisms for a variety of fire suppression approaches will be discussed including hose streams, sprinklers, water mist, foam, clean agents, and chemical agents.

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| 0101 | Jon Scheer | Seats (Total: 30) |
| | TuTh 9:30am - 10:45am | ITV 1100 |

**ENFP411** **Risk-Informed Performance Based Design**

**ENFP411** *(PermReq)* **Risk-Informed Performance Based Design; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Senior standing; or permission of ENGR-Fire Protection Engineering department.* Appraisal and measurement of fire safety. Application of systems analysis, probability theory, engineering economy and risk management in the identification and synthesis of components of fire protection engineering. Methods for the development of criteria for the design, evaluation and assessment of fire safety or component hazards.

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| 0101 | James Milke<br>M 5:30pm - 8:15pm | Seats (Total: 45)<br>EGR 0110 |

**ENFP426** **Computational Methods in Fire Protection**

**ENFP426** *(PermReq)* **Computational Methods in Fire Protection; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENFP425. Restriction: Permission of ENGR-Fire Protection Engineering department. Credit only granted for: ENFP426 or ENFP416.* Introduction to computer-based fire modeling: zone modeling and Computational Fluid Dynamics (CFD); documentation of input data, validation and verification tests.

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|---|---|---|
| 0101 | Arnaud Trouve<br>MW 2:00pm - 3:15pm | Seats (Total: 45)<br>ITV 1100 |

**ENFP429** **Independent Studies**

**ENFP429** *(PermReq)* **Independent Studies; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Senior standing. For ENFP majors only.

**Contact department for information to register for this course.**

**ENFP440** **Smoke Management and Fire Alarm Systems**

**ENFP440** *(PermReq)* **Smoke Management and Fire Alarm Systems; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENFP300. Restriction: Permission of ENGR-Fire Protection Engineering department.* Analysis of hazard posed by smoke in buildings. Performance characteristics of smoke management systems. Review of analytical design aids. Functional analysis and design of fire detection and alerting systems. Examination and evaluation of code criteria, performance specifications and research.

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|---|---|---|
| 0101 | Duane Johnson, James Milke<br>TuTh 11:00am - 12:15pm | Seats (Total: 42)<br>CHM 0119 |

**ENFP489** **Special Topics**

**ENFP489** *(PermReq)* **Special Topics; (3 credits)** Grade Method: REG/P-F/AUD.
Individual Instruction course: contact department or instructor to obtain section number.
For ENFP majors only.

**Contact department for information to register for this course.**

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**ENFP489I** **Special Topics; Industrial Fire Safety**

**ENFP489I** *(PermReq)* **Special Topics: Industrial Fire Safety; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Noah Ryder, Arnaud Trouve<br>MW 4:00pm - 5:15pm | Seats (Total: 28)<br>HBK 0103 |

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**ENFP619** **Graduate Seminar**

**ENFP619** *(PermReq)* **Graduate Seminar; (1 credit)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Arnaud Trouve<br>Contact instructor or department for details.<br>Contact instructor or department for details. | Seats (Total: 10) |

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**ENFP625** **Advanced Fire Modeling**

**ENFP625 Advanced Fire Modeling; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Permission of ENGR-Fire Protection Engineering department.* Validity, utility, reliability of current computer models. Applications of models in risk assessment, underwriting, loss prediction, hazard analysis. Development and validation of specific application models.

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|---|---|---|
| 0101 | Arnaud Trouve, Randall McDermott<br>MW 11:00am - 12:15pm | Seats (Total: 20)<br>ITV 1100 |
| EF01 | Arnaud Trouve<br>**Meets March 4, 2013 - May 13, 2013**<br>Class time/details on ELMs | Seats (Total: 40)<br><br>ONLINE |

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**ENFP627** **Smoke Detection and Management**

**ENFP627 Smoke Detection and Management; (3 credits)** Grade Method: REG. *Prerequisite: ENFP300.* Analysis of hazard smoke. Response analysis of smoke detectors based on characteristics of detectors and properties of smoke. Performance characteristics and limitations of smoke management systems. Capabilities and limitations of analytical design aids. Also offered as ENFP489M.

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|---|---|---|
| 0101 | Duane Johnson, James Milke | Seats (Total: 18) |
| | TuTh 11:00am - 12:15pm | KEB 1200 |

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**ENFP629** **Selected Topics**

**ENFP629** *(PermReq)* **Selected Topics; (3-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**ENFP629I** **Selected Topics; Industrial Fire Safety**

**ENFP629I Selected Topics: Industrial Fire Safety; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Arnaud Trouve, Noah Ryder | Seats (Total: 22) |
| | MW 4:00pm - 5:15pm | HBK 0103 |

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**ENFP649** **Special Problems**

**ENFP649** *(PermReq)* **Special Problems; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**ENFP653** **Advanced Fire Supression**

**ENFP653 Advanced Fire Supression; (3 credits)** Grade Method: REG/AUD. *Restriction: Permission of ENGR-Fire Protection Engineering department. Credit only granted for: ENFP629C or ENFP653. Formerly: ENFP629C.* Issues related to the suppression of fires and the design of fire suppression systems. Theoretical aspects of fire suppression and extinction are considered to provide the foundation for the practical design of different types of fire suppression systems. Focus on water-based and "clean agent" fire suppression systems, with emphasis on high challenge and special hazard applications. Systems using other agents are introduced, but are not addressed in detail.

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|---|---|---|
| 0101 | Jon Scheer | Seats (Total: 30) |
| | TuTh 9:30am - 10:45am | ITV 1100 |

**ENFP662** **Performance Based Design**

**ENFP662 Performance Based Design; (3 credits)** Grade Method: REG/AUD. *Credit only granted for: ENFP629E or ENFP662. Formerly: ENFP629E.* This on-line course demonstrates how fire science can be used to solve fire protection problems in the built environment and will provide an understanding of their performance-based design process, deterministic and risk-based analysis techniques, development of design fire scenarios, trial design development and analysis, and building lifecycle management.

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|---|---|---|
| EF01 | Morgan Hurley, Eric Rosenbaum | Seats (Total: 40) |
| | **Meets March 4, 2013 - May 13, 2013** | |
| | Class time/details on ELMs | ONLINE |

**ENFP799** **Master's Thesis Research**

**ENFP799** *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# ENGL English Spring 2013

**ENGL101** **Academic Writing**

FOR MORE DETAILED DESCRIPTIONS OF THE COURSES OFFERED, CLICK HERE TO VISIT THE ENGLISH DEPARTMENT WEBSITE

**English as a second language classes are listed under UMEI.**

**ENGL101 Academic Writing; (3 credits)** Grade Method: REG. GenEd: Fundamental Studies - Academic Writing.

An introductory course in expository writing. Students with a TSWE score of 33 or below must take ENGL 101A in place of ENGL 101. Students for whom English is a second language should consider taking ENGL 101X in place of ENGL 101.

| | | |
|---|---|---|
| 0101 | Kendisan Kusumaatmadja<br>MWF 9:00am - 9:50am | Seats (Total: 22)<br>KEY 0120 |
| 0102 | Allison Wyss<br>MWF 9:00am - 9:50am | Seats (Total: 22)<br>KEY 0123 |
| 0103 | Shaun Gannon<br>MWF 9:00am - 9:50am | Seats (Total: 22)<br>KEY 0124 |
| 0201 | Laura Williams<br>MWF 10:00am - 10:50am | Seats (Total: 22)<br>KEY 0123 |
| 0202 | Allison Wyss<br>MWF 10:00am - 10:50am | Seats (Total: 22)<br>SQH 1123 |
| 0203 | Shaun Gannon<br>MWF 10:00am - 10:50am | Seats (Total: 22)<br>KEY 0124 |
| 0205 | Catherine Bayly<br>MWF 10:00am - 10:50am | Seats (Total: 14)<br>SKN 1115 |
| 0301 | Joani Elliott<br>MWF 11:00am - 11:50am | Seats (Total: 22)<br>SQH 1107 |
| 0302 | William Pittman<br>MWF 11:00am - 11:50am | Seats (Total: 22)<br>SQH 1123 |
| 0303 | Emily Lyons<br>MWF 11:00am - 11:50am | Seats (Total: 22)<br>SQH 1105 |

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| 0304 | Kisa Lape<br>MWF 11:00am - 11:50am | Seats (Total: 22)<br>TLF 1103 |
| 0306 | Catherine Bayly<br>MWF 11:00am - 11:50am | Seats (Total: 22)<br>SQH 2122 |
| 0401 | Heather McHale<br>MWF 12:00pm - 12:50pm | Seats (Total: 22)<br>SQH 1107 |
| 0402 | Joani Elliott<br>MWF 12:00pm - 12:50pm | Seats (Total: 22)<br>KEY 0119 |
| 0403 | Marian Carpenter<br>MWF 12:00pm - 12:50pm | Seats (Total: 22)<br>SQH 1123 |
| 0404 | Kisa Lape<br>MWF 12:00pm - 12:50pm | Seats (Total: 22)<br>KEY 0120 |
| 0501 | Adam Binkley<br>MWF 1:00pm - 1:50pm | Seats (Total: 22)<br>KEY 0120 |
| 0502 | Mary Foster<br>MWF 1:00pm - 1:50pm | Seats (Total: 22)<br>KEY 0119 |
| 0503 | Anna Rowser<br>MWF 1:00pm - 1:50pm | Seats (Total: 22)<br>KEY 0124 |
| 0504 | Marian Carpenter<br>MWF 1:00pm - 1:50pm | Seats (Total: 22)<br>SQH 1111 |
| 0601 | Joshua Lavender<br>MWF 2:00pm - 2:50pm | Seats (Total: 22)<br>KEY 0125 |
| 0602 | Anna Rowser<br>MWF 2:00pm - 2:50pm | Seats (Total: 22)<br>SQH 1105 |
| 0603 | Gillian Knoll<br>MWF 2:00pm - 2:50pm | Seats (Total: 22)<br>EDU 3236 |
| 1001 | Joseph Bueter<br>TuTh 8:00am - 9:15am | Seats (Total: 22)<br>TWS 0205 |

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| 1002 | Kshiti Vaghela<br>TuTh 8:00am - 9:15am | Seats (Total: 22)<br>TWS 0201 |
| 1101 | Emily Banks<br>TuTh 9:30am - 10:45am | Seats (Total: 22)<br>SQH 1107 |
| 1102 | Kshiti Vaghela<br>TuTh 9:30am - 10:45am | Seats (Total: 22)<br>TWS 0201 |
| 1103 | Katherine Young<br>TuTh 9:30am - 10:45am | Seats (Total: 22)<br>SQH 2122 |
| 1104 | James Goodwin<br>TuTh 9:30am - 10:45am | Seats (Total: 22)<br>SQH 1105 |
| 1106 | Morgan Fritz<br>TuTh 9:30am - 10:45am | Seats (Total: 13)<br>SQH 2121 |
| 1201 | Kshiti Vaghela<br>TuTh 11:00am - 12:15pm | Seats (Total: 22)<br>PLS 1164 |
| 1202 | Mason Henderson<br>TuTh 11:00am - 12:15pm | Seats (Total: 22)<br>SYM 0209 |
| 1203 | Rachel Carstens<br>TuTh 11:00am - 12:15pm | Seats (Total: 22)<br>TLF 1103 |
| 1204 | Katherine Young<br>TuTh 11:00am - 12:15pm | Seats (Total: 22)<br>JMZ 0120 |
| 1208 | Morgan Fritz<br>TuTh 11:00am - 12:15pm | Seats (Total: 13)<br>WDS 1127 |
| 1301 | Sarah Treadwell<br>TuTh 12:30pm - 1:45pm | Seats (Total: 22)<br>SQH 2120 |
| 1302 | Rachel Carstens<br>TuTh 12:30pm - 1:45pm | Seats (Total: 22)<br>SQH 2121 |
| 1303 | Elizabeth McClure<br>TuTh 12:30pm - 1:45pm | Seats (Total: 22)<br>SQH 2119 |

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| 1304 | Sharon Higby<br>TuTh 12:30pm - 1:45pm | Seats (Total: 22)<br>KNI 1103 |
| 1308 | Justin Lohr<br>TuTh 12:30pm - 1:45pm | Seats (Total: 13)<br>JMZ 2120 |
| 1401 | Rachel Waugh<br>TuTh 2:00pm - 3:15pm | Seats (Total: 22)<br>SQH 2117 |
| 1402 | Elizabeth Acevedo<br>TuTh 2:00pm - 3:15pm | Seats (Total: 22)<br>PLS 1172 |
| 1403 | Ena Djordjevic<br>TuTh 2:00pm - 3:15pm | Seats (Total: 22)<br>EDU 0202 |
| 1404 | Daniel Knowlton<br>TuTh 2:00pm - 3:15pm | Seats (Total: 22)<br>JMZ 2120 |
| 1408 | Justin Lohr<br>TuTh 2:00pm - 3:15pm | Seats (Total: 16)<br>JMZ 0118 |
| BL01 | Lyra Hilliard<br>W 9:30am - 10:45am<br>M 9:30am - 10:45am<br>*Blended Learning courses combine face-to-face and online interactions.* | Seats (Total: 22)<br>EDU 0202<br>ONLINE |
| BL02 | Lyra Hilliard<br>W 11:00am - 12:15pm<br>M 11:00am - 12:15pm<br>*Blended Learning courses combine face-to-face and online interactions.* | Seats (Total: 22)<br>EDU 0202<br>ONLINE |
| BL03 | Lyra Hilliard<br>W 12:30pm - 1:45pm<br>M 12:30pm - 1:45pm<br>*Blended Learning courses combine face-to-face and online interactions.* | Seats (Total: 22)<br>EDU 0202<br>ONLINE |
| BL04 | Thomas Earles<br>W 2:00pm - 3:15pm<br>Class time/details on ELMs<br>*Blended Learning courses combine face-to-face and online interactions.* | Seats (Total: 22)<br>KEY 0121<br>ONLINE |

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| BL05 | Linda Macri<br>MF 10:00am - 10:50am<br>Class time/details on ELMs | Seats (Total: 22)<br>TWS 3136<br>ONLINE |
| | *Blended Learning courses combine face-to-face and online interactions.* | |
| BL06 | Douglas Kern<br>MF 12:00pm - 12:50pm<br>Class time/details on ELMs | Seats (Total: 22)<br>SQH 1101<br>ONLINE |
| | *Blended Learning courses combine face-to-face and online interactions.* | |
| BL07 | Douglas Kern<br>MF 1:00pm - 1:50pm<br>Class time/details on ELMs | Seats (Total: 22)<br>SQH 1101<br>ONLINE |
| | *Blended Learning courses combine face-to-face and online interactions.* | |
| BL08 | Douglas Kern<br>MF 2:00pm - 2:50pm<br>Class time/details on ELMs | Seats (Total: 22)<br>SQH 2117<br>ONLINE |
| | *Blended Learning courses combine face-to-face and online interactions.* | |
| BL09 | Nabila Hijazi<br>Th 9:30am - 10:45am<br>Tu 9:30am - 10:45am | Seats (Total: 22)<br>KEY 0120<br>ONLINE |
| | *Blended Learning courses combine face-to-face and online interactions.* | |
| BL11 | Nabila Hijazi<br>Th 11:00am - 12:15pm<br>Tu 11:00am - 12:15pm | Seats (Total: 22)<br>KEY 0120<br>ONLINE |
| | *Blended Learning courses combine face-to-face and online interactions.* | |
| BL13 | John Duck<br>Th 12:30pm - 1:45pm<br>Class time/details on ELMs | Seats (Total: 22)<br>KEY 0120<br>ONLINE |
| | *Blended Learning courses combine face-to-face and online interactions.* | |
| BL14 | David Brookshire<br>Th 12:30pm - 1:45pm<br>Class time/details on ELMs | Seats (Total: 22)<br>JMZ 0205<br>ONLINE |
| | *Blended Learning courses combine face-to-face and online interactions.* | |

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| BL15 | David Brookshire<br>Th 2:00pm - 3:15pm<br>Class time/details on ELMs | Seats (Total: 22)<br>TLF 1103<br>ONLINE |

*Blended Learning courses combine face-to-face and online interactions.*

**ENGL101A** **Academic Writing**

**ENGL101A Academic Writing; (3 credits)** Grade Method: REG. GenEd: Fundamental Studies - Academic Writing.
An introductory course in expository writing. Students must take ENGL 101A rather than ENGL 101 if their TSWE score (a subscore of the SAT verbal) is 33 or below. Classes are limited to 15 students.

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| 1701 | Joseph Bueter<br>TuTh 9:30am - 10:45am | Seats (Total: 15)<br>EDU 0202 |
| 1702 | Heather McHale<br>MWF 11:00am - 11:50am | Seats (Total: 15)<br>KEY 0117 |

**ENGL101H** **Academic Writing**

**ENGL101H Academic Writing; (3 credits)** Grade Method: REG. GenEd: Fundamental Studies - Academic Writing.
An introductory course in expository writing.

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|---|---|---|
| 0205 | Catherine Bayly<br>MWF 10:00am - 10:50am | Seats (Total: 8)<br>SKN 1115 |
| 1106 | Morgan Fritz<br>TuTh 9:30am - 10:45am | Seats (Total: 9)<br>SQH 2121 |
| 1208 | Morgan Fritz<br>TuTh 11:00am - 12:15pm | Seats (Total: 9)<br>WDS 1127 |
| 1308 | Justin Lohr<br>TuTh 12:30pm - 1:45pm | Seats (Total: 9)<br>JMZ 2120 |
| 1408 | Justin Lohr<br>TuTh 2:00pm - 3:15pm | Seats (Total: 6)<br>JMZ 0118 |

**ENGL101M** **Academic Writing**

**ENGL101M Academic Writing; (3 credits)** Grade Method: REG. GenEd: Fundamental Studies - Academic Writing.
An introductory course in expository writing. Restricted to students in the Markets and Society program.

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| 1209 | Carlea Holl-Jensen<br>TuTh 11:00am - 12:15pm | Seats (Total: 17)<br>WDS 0104 |

**ENGL101S** **Academic Writing**

**ENGL101S Academic Writing; (3 credits)** Grade Method: REG. GenEd: Fundamental Studies - Academic Writing.
An introductory course in expository writing. Restricted to College Park Scholars.

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|---|---|---|
| 0106 | Travis Webster<br>MWF 9:00am - 9:50am | Seats (Total: 22)<br>CCC 1105 |
| 0206 | Travis Webster<br>MWF 10:00am - 10:50am | Seats (Total: 22)<br>CCC 1105 |
| 0308 | Rebekah Cunningham<br>MWF 11:00am - 11:50am | Seats (Total: 22)<br>CCC 1111 |
| 0407 | Rebekah Cunningham<br>MWF 12:00pm - 12:50pm | Seats (Total: 22)<br>CCC 1111 |
| 0507 | Rebekah Cunningham<br>MWF 1:00pm - 1:50pm | Seats (Total: 22)<br>CCC 1111 |
| 1107 | Justin Lohr<br>TuTh 9:30am - 10:45am | Seats (Total: 22)<br>CCC 1115 |
| 1210 | Sarah Pleydell<br>TuTh 11:00am - 12:15pm | Seats (Total: 22)<br>CCC 1115 |
| 1309 | Christopher Hazlett<br>TuTh 12:30pm - 1:45pm | Seats (Total: 22)<br>CCC 1115 |

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|---|---|---|
| 1407 | Christopher Hazlett<br>TuTh 2:00pm - 3:15pm | Seats (Total: 22)<br>CCC 1105 |

**ENGL101X** **Academic Writing**

**ENGL101X Academic Writing; (3 credits)** Grade Method: REG. GenEd: Fundamental Studies - Academic Writing.
An introductory course in expository writing. Limited to students for whom English is a second language. To register for ENGL 101X, a student must first demonstrate competence in English. Proof of one of the following should be brought to advisors: 1) a minimu m score of 100 on the iBT 2) a minimum score of 7 on the IELTS or 3) successful completion of UMEI 005, Advanced English as a Foreign Language, Semi-Intensive.

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|---|---|---|
| 2003 | Daniel Knowlton<br>TuTh 11:00am - 12:15pm | Seats (Total: 18)<br>EDU 0114 |
| 2005 | William Pittman<br>MWF 10:00am - 10:50am | Seats (Total: 18)<br>KEY 0117 |

**ENGL201** **Inventing Western Literature: Ancient and Medieval Traditions**

**ENGL201 Inventing Western Literature: Ancient and Medieval Traditions; (3 credits)** Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Wide range of texts, genres, and themes from ancient and medieval Western traditions. Study of cultural, historical, and artistic forces shaping traditions, and the influence and relevance of those traditions to life in twenty-first century.

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| 0101 | Adam Neff<br>MWF 2:00pm - 2:50pm | Seats (Total: 30)<br>TWS 1106 |

**ENGL202** **Inventing Western Literature: Renaissance to Modern**

**ENGL202 Inventing Western Literature: Renaissance to Modern; (3 credits)**
Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Wide range of texts from the Renaissance to the 21st century. Themes and literary techniques in the evolution of Western literature. Print publication, industrialization, questioning of religious, political, intellectual, and cultural authority.

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| 0101 | Ellen Moll<br>MWF 11:00am - 11:50am | Seats (Total: 30)<br>TYD 1118 |
| 0201 | Sarah Pleydell<br>TuTh 2:00pm - 3:15pm | Seats (Total: 30)<br>SQH 1103 |

**ENGL206** **Shakespeare**
**Contact department for information to register for this course.**

**ENGL211** **English Literature: Beginnings to 1800**

**ENGL211 English Literature: Beginnings to 1800; (3 credits)** Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Surveys medieval and early modern literary works written in England. Readings may include Beowulf, Chaucer, Spenser, Mary Wroth, Milton; eighteenth-century satire, drama, novels.

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| 0101 | Robert Wakeman<br>MWF 1:00pm - 1:50pm | Seats (Total: 30)<br>TWS 0236 |

**ENGL212** **English Literature: 1800 to the Present**

**ENGL212 English Literature: 1800 to the Present; (3 credits)** Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Surveys the major literary movements of the period, from Romantic to Victorian to Modern. Such authors as Wordsworth, Keats, Bronte, Tennyson, Browning, Yeats, Joyce, Woolf.

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| 0101 | Jamison Kantor<br>MWF 10:00am - 10:50am | Seats (Total: 27)<br>TWS 1106 |

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| 0201 | Elizabeth McClure<br>TuTh 11:00am - 12:15pm | Seats (Total: 30)<br>ARC 1101 | |

**ENGL221** **American Literature: Beginning to 1865**

**ENGL221 American Literature: Beginning to 1865; (3 credits)** Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Surveys American writing from the founding of the colonies through the Civil War. Authors such as Taylor, Cooper, Poe, Dickinson.

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| 0101 | Sharon Higby<br>TuTh 11:00am - 12:15pm | Seats (Total: 30)<br>ARC 1103 | |

**ENGL222** **American Literature: 1865 to Present**

**ENGL222 American Literature: 1865 to Present; (3 credits)** Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Surveys American writing from the Civil War through the Cold War. Authors such as Clemens, Frost, Hurston, Bellow. Credit will be granted for one of the following: ENGL222 or ENGL289Y.

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| 0102 | David Wyatt<br>MW 12:00pm - 12:50pm<br>F 10:00am - 10:50am | Seats (Total: 18)<br>MMH 1400<br>KEY 0121 | Discussion |
| 0103 | David Wyatt<br>MW 12:00pm - 12:50pm<br>F 11:00am - 11:50am | Seats (Total: 20)<br>MMH 1400<br>KEY 0121 | Discussion |
| 0104 | David Wyatt<br>MW 12:00pm - 12:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 20)<br>MMH 1400<br>KEY 0121 | Discussion |
| 0105 | David Wyatt<br>MW 12:00pm - 12:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 20)<br>MMH 1400<br>KEY 0125 | Discussion |

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| 0106 | David Wyatt<br>MW 12:00pm - 12:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 20)<br>MMH 1400<br>KEY 0121 | Discussion |
| 0108 | David Wyatt<br>MW 12:00pm - 12:50pm<br>F 2:00pm - 2:50pm | Seats (Total: 20)<br>MMH 1400<br>KEY 0120 | Discussion |

**ENGL233** **Introduction to Asian American Literature**

**ENGL233 Introduction to Asian American Literature; (3 credits)** Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies. *Restriction: Must not have completed AAST233. Also offered as: AAST233. Credit only granted for: AAST233, AAST298L, or ENGL233.* A survey of Asian American literatures with an emphasis on recurrent themes and historical context.

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| 0101 | Lawrence-Minh Davis<br>TuTh 12:30pm - 1:45pm | Seats (Total: 30)<br>COL 0101 | |

**ENGL234** **African-American Literature and Culture**

**ENGL234 African-American Literature and Culture; (3 credits)** Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
An exploration of the stories black authors tell about themselves, their communities, and the nation as informed by time and place, gender, sexuality, and class. African American perspective themes such as art, childhood, sexuality, marriage, alienation and mortality, as well as representations of slavery, Reconstruction, racial violence and the Nadir, legalized racism and segregation, black patriotism and black ex-patriots, the optimism of integration, and the prospects of a post-racial America. Also offered as AASP298L.

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| 0101 | Mary Washington<br>MW 2:00pm - 2:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 20)<br>JMZ 0220<br>TWS 0201 | Discussion |
| 0102 | Mary Washington<br>MW 2:00pm - 2:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 20)<br>JMZ 0220<br>TWS 1107 | Discussion |

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|---|---|---|---|
| 0105 | Mary Washington<br>MW 2:00pm - 2:50pm<br>F 9:00am - 9:50am | Seats (Total: 20)<br>JMZ 0220<br>TWS 0201 | Discussion |
| 0107 | Mary Washington<br>MW 2:00pm - 2:50pm<br>F 10:00am - 10:50am | Seats (Total: 20)<br>JMZ 0220<br>KEY 0119 | Discussion |

**ENGL241** **What the Novel Does**

**ENGL241 What the Novel Does; (3 credits)** Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
An exploration of what the novel does that cannot be done by film, by television, by cell-phone screens, by any stream of images, or by textual excerpts pulled up for a quick read. The different ways of the novel, with particular focus on the process of thinking and the developed consciousness. The novel as a machine to think with and an irreplaceable model of complex human thought. Study of how thought is presented in radically different ways in novels that cross lines of class, gender, chronology, and nationality.

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|---|---|---|---|
| 0101 | John Auchard<br>TuTh 12:30pm - 1:20pm<br>F 10:00am - 10:50am | Seats (Total: 20)<br>SHM 2102<br>SQH 2119 | Discussion |
| 0104 | John Auchard<br>TuTh 12:30pm - 1:20pm<br>F 12:00pm - 12:50pm | Seats (Total: 20)<br>SHM 2102<br>TWS 0214 | Discussion |
| 0105 | John Auchard<br>TuTh 12:30pm - 1:20pm<br>F 1:00pm - 1:50pm | Seats (Total: 20)<br>SHM 2102<br>TWS 0214 | Discussion |
| 0108 | John Auchard<br>TuTh 12:30pm - 1:20pm<br>F 2:00pm - 2:50pm | Seats (Total: 20)<br>SHM 2102<br>TWS 0214 | Discussion |

**ENGL243** **What is Poetry?**

**ENGL243 What is Poetry?; (3 credits)** Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
An exploration of arguably the most complex, profound, and ubiquitous expression of human experience. Study through close reading of significant forms and conventions of Western poetic tradition. Poetry's roots in oral and folk traditions and connections to popular song forms.

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| 0101 | Katherine Herman<br>MWF 12:00pm - 12:50pm | Seats (Total: 30)<br>TLF 1101 |
| 0201 | Adam Binkley<br>MWF 2:00pm - 2:50pm | Seats (Total: 30)<br>SQH 2121 |
| 0301 | Michael Gossett<br>TuTh 12:30pm - 1:45pm | Seats (Total: 30)<br>KEY 0125 |
| 0401 | John Duck<br>TuTh 2:00pm - 3:15pm | Seats (Total: 30)<br>SYM 0209 |

**ENGL244** **The Play's the Thing**

**ENGL244 The Play's the Thing; (3 credits)** Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
Exploration of drama through a consideration of plot, narrative flow, analytical flow, staging, performance, manuscript and printing history, text and textual change over time, and interpretation. Plays will be approached as public attempts to understand what it means to be alive.

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| 0101 | Maggie Ray<br>TuTh 9:30am - 10:45am | Seats (Total: 30)<br>SQH 2117 |
| 0201 | Gillian Knoll<br>MWF 1:00pm - 1:50pm | Seats (Total: 30)<br>TWS 0234 |

**ENGL245** **Film Form and Culture**

**ENGL245 Film Form and Culture; (3 credits)** Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities. *Restriction: Must not have completed FILM245. Also offered as: FILM245. Credit only granted for: CMLT214, CMLT245, ENGL245, or FILM245. Formerly: CMLT214.* Introduction to film as art form and how films create meaning. Basic film terminology; fundamental principles of film form, film narrative, and film history. Examination of film technique and style over past one hundred years. Social and economic functions of film within broader institutional, economic, and cultural contexts.

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| 0101 | Kelly Singleton<br>TuTh 12:30pm - 1:45pm<br>Tu 6:10pm - 8:40pm | Seats (Total: 30)<br>SQH 1103<br>TWS 1100 | <br><br>Lab |
| 0201 | Marit Knollmueller<br>MW 2:00pm - 3:15pm<br>M 3:30pm - 6:00pm | Seats (Total: 30)<br>TWS 0234<br>TWS 1100 | <br><br>Lab |
| 0301 | Marit Knollmueller<br>MW 11:00am - 12:15pm<br>M 3:30pm - 6:00pm | Seats (Total: 30)<br>TWS 1107<br>TWS 1100 | <br><br>Lab |
| 0401 | Paul Cote<br>TuTh 3:30pm - 4:45pm<br>Th 5:00pm - 7:30pm | Seats (Total: 30)<br>TWS 1107<br>TWS 1100 | <br><br>Lab |

**ENGL250** **Reading Women Writing**

**ENGL250 Reading Women Writing; (3 credits)** Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
*Also offered as: WMST255. Credit only granted for: ENGL250 or WMST255.* Explores literary and cultural expressions by women and their receptions within a range of historical periods and genres. Topics such as what does a woman need in order to write, what role does gender play in the production, consumption, and interpretation of texts, and to what extent do women comprise a distinct literary subculture. Interpretation of texts will be guided by feminist and gender theory, ways of reading that have emerged as important to literary studies over the last four decades.

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| 0101 | Isabella Cooper<br>MWF 12:00pm - 12:50pm | Seats (Total: 30)<br>TWS 0236 |

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| 0201 | Amanda Dykema<br>TuTh 2:00pm - 3:15pm | Seats (Total: 30)<br>SQH 1107 |

**ENGL255** **Literature of Science and Technology**

**ENGL255 Literature of Science and Technology; (3 credits)** Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
*Credit only granted for: ENGL255 or ENGL278T. Formerly: ENGL278T.* Examines science and technology through the lens of British and American literature, primarily between 1800 and the present. Readings from early natural and experimental philosophers of the Scientific Revolution and Enlightenment. How literary works represent the ethics of science and technology; beneficial developments of science, and also heavy toll of industrialization. Writers studied may include Francis Bacon, Mary Shelley, Charles Darwin, H.G. Wells, Albert Einstein, Aldous Huxley, Richard Feynman, Philip K. Dick, Octavia Butler, Michael Frayn, and Tom Stoppard.

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| 0101 | Katherine Stanutz<br>MWF 10:00am - 10:50am | Seats (Total: 30)<br>TWS 0214 |

**ENGL262** **The Hebrew Bible: Narrative**
**Contact department for information to register for this course.**

**ENGL265** **Lesbian, Gay, Bisexual, and Transgender Literatures**

**ENGL265 Lesbian, Gay, Bisexual, and Transgender Literatures; (3 credits)** Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
*Restriction: Must not have completed LGBT265. Also offered as: LGBT265. Credit only granted for: ENGL265 or LGBT265.* Exploration of literary and cultural expressions of sexuality and gender. Study of a range of historical periods and literary genres, such as essay, poetry, novel, drama, film. Topics include sexual norms and dissidence, gender identity and expression, the relationship between aesthetic forms and sexual subjectivity. Interpretation of texts particularly through the lens of queer theory. Examination of how sex and gender intersect with other forms of difference, including race and class.

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| 0101 | Nancy Stewart<br>TuTh 12:30pm - 1:45pm | Seats (Total: 30)<br>SQH 1105 |

**ENGL269R** **Special Topics in Study Abroad II; Writing Rome**
**Contact department for information to register for this course.**

**ENGL269X** **Special Topics in Study Abroad II; Theories of Text**
**Contact department for information to register for this course.**

**ENGL271** **Writing Poems and Stories: An Introductory Workshop**

**ENGL271 Writing Poems and Stories: An Introductory Workshop; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. Introduction to theory and practice of writing fiction and poetry. Emphasis on critical reading of literary models. Exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process.

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| 0101 | Ena Djordjevic<br>TuTh 11:00am - 12:15pm | Seats (Total: 20)<br>SQH 2122 |
| 0201 | Eric Kozlik<br>TuTh 2:00pm - 3:15pm | Seats (Total: 20)<br>SQH 2120 |
| 0301 | Emily Lyons<br>MW 2:00pm - 3:15pm | Seats (Total: 20)<br>KEY 0123 |

**ENGL272** **Writing Fiction: A Beginning Workshop**

**ENGL272 Writing Fiction: A Beginning Workshop; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. Introduction to theory and practice of writing fiction. Emphasis on critical reading of literary models. Exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process.

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| 0101 | Annette Majanja<br>TuTh 11:00am - 12:15pm | Seats (Total: 20)<br>SQH 1107 |
| 0201 | Dawn Dorland Perry<br>TuTh 9:30am - 10:45am | Seats (Total: 20)<br>SQH 1123 |

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| 0301 | Taylor Adams<br>MW 2:00pm - 3:15pm | Seats (Total: 20)<br>SQH 2119 |
| 0401 | Carlea Holl-Jensen<br>TuTh 12:30pm - 1:45pm | Seats (Total: 20)<br>BPS 1234 |

**ENGL273** **Writing Poetry: A Beginning Workshop**

**ENGL273 Writing Poetry: A Beginning Workshop; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Introduction to theory and practice of writing poetry. Emphasis on critical reading of literary models. Exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process.

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| 0101 | Michael Gossett<br>TuTh 2:00pm - 3:15pm | Seats (Total: 20)<br>KEY 0117 |
| 0201 | Joshua Lavender<br>MW 11:00am - 12:15pm | Seats (Total: 20)<br>TWS 1106 |

**ENGL274** **Creative Writing Through The Eyes of African Americans: A Beginning Workshop**

**ENGL274 Creative Writing Through The Eyes of African Americans: A Beginning Workshop; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
*Restriction: Must not have completed ENGL278C, AASP298W, ENGL271, ENGL274, ENGL294, ENGL294N, or AASP274. Also offered as: AASP274. Credit only granted for: ENGL274, ENGL278C, ENGL294, ENGL294N, AASP274 or AASP298W. Formerly: ENGL278C.* Introduction to theory and practice of writing fiction, drama and poetry, with an emphasis on African American literary models. Critical reading, exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process. Also offered as AASP298W.

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| 0101 | Valerie Turner<br>TuTh 9:30am - 10:45am | Seats (Total: 20)<br>NCC 0120 |

**ENGL278P** **Special Topics in Literature; Writing for Change**

**ENGL278P Special Topics in Literature: Writing for Change; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. Examines writing and literacy as powerful tools for social change. Takes a rhetorical approach to creative writing, academic writing, and professional writing.

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| 0101 | Heather Lindenman | Seats (Total: 18) | |
| | TuTh 1:30pm - 2:20pm | TWS 3132 | |
| | Tu 2:30pm - 4:00pm | TWS 3132 | Lab |

**ENGL280** **The English Language**

**ENGL280 The English Language; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
Introduction to the structure of English and its historical development, with a focus on techniques of linguistic analysis. Major topics include the sound systems of English and its patterns of word formation and sentence structure, and the ways these have changed over time and vary around the world.

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| 0101 | Oliver Brearey | Seats (Total: 30) |
| | TuTh 12:30pm - 1:45pm | SQH 2122 |

**ENGL281** **Standard English Grammar, Usage, and Diction**

**ENGL281 Standard English Grammar, Usage, and Diction; (3 credits)** Grade Method: REG/P-F/AUD.
The basic structure of written English, including parts of speech, sentence patterns, standard punctuation, diction, and usage.

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| 0101 | Nabila Hijazi | Seats (Total: 30) |
| | TuTh 12:30pm - 1:45pm | JMZ 0208 |

**ENGL282** **Introduction to Rhetorical Theory**

**ENGL282 Introduction to Rhetorical Theory; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
Basic elements of rhetorical theory. Classical and contemporary perspectives on the nature, functions, and scope of rhetoric. Potential texts for analysis include non-fiction prose, novels, short fiction, philosophical treatises, autobiographies, biographies, and speeches.

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| 0101 | Elizabeth Ellis<br>TuTh 9:30am - 10:45am | Seats (Total: 30)<br>TWS 1105 | |

**ENGL289I** **Acting Human: Shakespeare and the Drama of Identity**

**ENGL289I Acting Human: Shakespeare and the Drama of Identity; (3 credits)**
Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.
As an introduction to Shakespeare, we will explore eight plays, discuss concepts of dramatic realism, and analyze the ways Shakespeare teaches us to ask questions about his characters and ultimately about ourselves. Our reading list may include Titus Andronicus, Othello, King Lear, Macbeth, Troilus and Cressida, Anthony and Cleopatra, The Winter's Tale, and The Tempest.

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| 0101 | Gerard Passannante<br>TuTh 2:00pm - 2:50pm<br>F 10:00am - 10:50am | Seats (Total: 22)<br>MMH 1400<br>TWS 0221 | Discussion |
| 0102 | Gerard Passannante<br>TuTh 2:00pm - 2:50pm<br>F 10:00am - 10:50am | Seats (Total: 22)<br>MMH 1400<br>TWS 0205 | Discussion |
| 0103 | Gerard Passannante<br>TuTh 2:00pm - 2:50pm<br>F 11:00am - 11:50am | Seats (Total: 22)<br>MMH 1400<br>TWS 0221 | Discussion |
| 0105 | Gerard Passannante<br>TuTh 2:00pm - 2:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 22)<br>MMH 1400<br>TWS 0221 | Discussion |
| 0106 | Gerard Passannante<br>TuTh 2:00pm - 2:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 22)<br>MMH 1400<br>TWS 0221 | Discussion |

**ENGL289P** **Why Poetry Matters**

**ENGL289P Why Poetry Matters; (3 credits)** Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.

A user's guide to everything to do with poems and poets. Students will discover how to break down and interpret and understand and then fall to pieces in the face of poems. Students will also have a chance to recite and write poems.

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| 0101 | Michael Olmert<br>MW 1:00pm - 1:50pm<br>F 10:00am - 10:50am | Seats (Total: 24)<br>JMZ 0220<br>KEY 0125 | Discussion |
| 0102 | Michael Olmert<br>MW 1:00pm - 1:50pm<br>F 11:00am - 11:50am | Seats (Total: 24)<br>JMZ 0220<br>KEY 0125 | Discussion |
| 0103 | Michael Olmert<br>MW 1:00pm - 1:50pm<br>F 11:00am - 11:50am | Seats (Total: 24)<br>JMZ 0220<br>TWS 1106 | Discussion |
| 0104 | Michael Olmert<br>MW 1:00pm - 1:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 24)<br>JMZ 0220<br>TWS 1106 | Discussion |
| 0105 | Michael Olmert<br>MW 1:00pm - 1:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 24)<br>JMZ 0220<br>TWS 1106 | Discussion |

**ENGL289Z** **Aliens, Exiles, Immigrants: Literature and Emigration**

**ENGL289Z Aliens, Exiles, Immigrants: Literature and Emigration; (3 credits)** Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies; Signature Courses - I-Series.

This course reads historical and contemporary literature by emigrants to explore ideas of citizenship, national identity, and patriotism. Authors include Junot Diaz, Jhumpa Lahiri, Margaret Atwood, Marilyn Chin, Mohsin Hamid, and Michael Ondaatje, among many others.

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| 0101 | Jason Rudy<br>MW 11:00am - 11:50am<br>F 10:00am - 10:50am | Seats (Total: 22)<br>TWS 1100<br>WDS 1130 | Discussion |
| 0102 | Jason Rudy<br>MW 11:00am - 11:50am<br>F 11:00am - 11:50am | Seats (Total: 22)<br>TWS 1100<br>TWS 0201 | Discussion |
| 0103 | Jason Rudy<br>MW 11:00am - 11:50am<br>F 12:00pm - 12:50pm | Seats (Total: 22)<br>TWS 1100<br>TWS 0201 | Discussion |
| 0104 | Jason Rudy<br>MW 11:00am - 11:50am<br>F 1:00pm - 1:50pm | Seats (Total: 22)<br>TWS 1100<br>TWS 0205 | Discussion |

**ENGL291** **Intermediate Writing**
**Contact department for information to register for this course.**

**ENGL293** **Writing in the Wireless World**

**ENGL293 Writing in the Wireless World; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities or Distributive Studies - Scholarship in Practice.
*Recommended: ENGL101. Credit only granted for: ENGL278Z or ENGL293. Formerly: ENGL278Z.* A hands-on exploration of writing at the intersection of technology and rhetoric. Students will learn to read, analyze, and compose the kind of multimodal documents (combining text, image, and sound) that constitute communication in our digital world.

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| 0101 | Travis Webster<br>MWF 12:00pm - 12:50pm | Seats (Total: 22)<br>TWS 0224 | |

**ENGL295** **Literature in a Wired World**

**ENGL295 Literature in a Wired World; (3 credits)** Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
*Credit only granted for: ENGL278W or ENGL295. Formerly: ENGL278W.* An introduction to the changing nature of books, texts, and narrative in Information Age. Role of book in relation to other media, history of computers and writing, influence of computing on contemporary literature and culture, emerging forms of digital narrative and reading. Practical skills taught range from how to find digital literature and other texts online to using Web media to create literary works.

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| 0101 | Joseph Byrne<br>MWF 12:00pm - 12:50pm | Seats (Total: 30)<br>TWS 0223 |
| 0201 | Jennifer Wellman<br>TuTh 9:30am - 10:45am | Seats (Total: 30)<br>TWS 0223 |

**ENGL300** **Writing about Literature**

**ENGL300 Writing about Literature; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Must have completed or be concurrently enrolled in ENGL301.* For students who want to improve their academic writing skills, focusing in particular on literary analysis, argument, style, clarity and engagement with other points of view. Readings from literary texts in various genres and from critical essays. Especially useful to prepare for upper-level courses in English.

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| 0101 | Susan Pramschufer<br>TuTh 3:30pm - 4:45pm | Seats (Total: 22)<br>TWS 0201 |

**ENGL301** **Critical Methods in the Study of Literature**

**ENGL301 Critical Methods in the Study of Literature; (3 credits)** Grade Method: REG.
*Restriction: Must be in English Language and Literature program; or must be in Secondary Educ: English Language Arts program.* An introduction to the techniques of literary analysis and a brief survey of the most common approaches to literature.

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| 0101 | Christina Walter<br>MW 11:00am - 12:15pm | Seats (Total: 20)<br>TWS 0221 |
| 0201 | Keguro Macharia<br>MW 12:30pm - 1:45pm | Seats (Total: 20)<br>TWS 0201 |

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| 0301 | Jane Donawerth<br>MW 2:00pm - 3:15pm | Seats (Total: 20)<br>TWS 0205 | |
| 0401 | Scott Trudell<br>TuTh 12:30pm - 1:45pm | Seats (Total: 20)<br>TWS 0221 | |
| 0501 | Michelle Koerner<br>TuTh 11:00am - 12:15pm | Seats (Total: 20)<br>TWS 1106 | |
| 0601 | Sharada Balachandran Orihuela<br>TuTh 2:00pm - 3:15pm | Seats (Total: 20)<br>TWS 0236 | |

**ENGL302** **Medieval Literature in Translation**

**ENGL302 Medieval Literature in Translation; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department.* Surveys major works of English and continental Middle Ages. Readings may include romance, lyric and drama, Germanic epic, works of Dante, Chretien de Troyes, Jean de Meun, Christine de Pisan, Malory, English and continental mystics.

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| 0101 | Kellie Robertson<br>TuTh 11:00am - 12:15pm | Seats (Total: 30)<br>TWS 0221 | |

**ENGL304** **The Major Works of Shakespeare**

**ENGL304 The Major Works of Shakespeare; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Restriction: Must not have completed ENGL403 or ENGL404.* Representative early, middle, and later works, including comedies, tragedies, histories, and romances. Historical and cultural contexts.

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| 0101 | Theodore Leinwand<br>TuTh 11:00am - 11:50am<br>F 10:00am - 10:50am | Seats (Total: 22)<br>TWS 1100<br>TWS 1107 | <br><br>Discussion |

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|---|---|---|---|
| 0102 | Theodore Leinwand<br>TuTh 11:00am - 11:50am<br>F 11:00am - 11:50am | Seats (Total: 22)<br>TWS 1100<br>TWS 1107 | <br><br>Discussion |
| 0103 | Theodore Leinwand<br>TuTh 11:00am - 11:50am<br>F 12:00pm - 12:50pm | Seats (Total: 22)<br>TWS 1100<br>TWS 0205 | <br><br>Discussion |
| 0104 | Theodore Leinwand<br>TuTh 11:00am - 11:50am<br>F 2:00pm - 2:50pm | Seats (Total: 22)<br>TWS 1100<br>TWS 0205 | <br><br>Discussion |

**ENGL305** **Shakespeare and His Contemporaries: An Introduction**

**ENGL305 Shakespeare and His Contemporaries: An Introduction; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department.* Readings in Shakespeare and contemporaries such as Marlowe, Dekker, Middleton, Jonson, Webster, Chapman, Marston. Elizabethan and Jacobean theatrical and social contexts.

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| 0101 | Theodore Leinwand<br>TuTh 2:00pm - 3:15pm | Seats (Total: 30)<br>TWS 1106 |

**ENGL310** **Medieval and Renaissance British Literature**

**ENGL310 Medieval and Renaissance British Literature; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department.* Detailed study of selected major medieval and Renaissance works written in England. Cultural attitudes and historical contexts. May include Beowulf, Anglo-Saxon lyric, drama, sonnets; works of women writers, Chaucer, Spenser, Sidney. Some readings in Middle English.

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| 0101 | Amanda Bailey<br>MW 12:30pm - 1:45pm | Seats (Total: 30)<br>TWS 1106 |

**ENGL311** **British Literature from 1600 to 1800**

**ENGL311 British Literature from 1600 to 1800; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department.* The culture of seventeenth and eighteenth-century Britain seen through detailed study of selected major texts. Drama, poetry, political writings, and early novels by men and women. Authors may include Donne, Milton, Jonson, Behn, Swift, Pope, Montagu, and Wollstonecraft.

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| 0101 | Joanne Roby<br>MW 3:30pm - 4:45pm | Seats (Total: 30)<br>TWS 1106 | |

**ENGL312** **Romantic to Modern British Literature**

**ENGL312 Romantic to Modern British Literature; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department.* Detailed study of selected major texts from the 19th and 20th centuries. Transitions from Romanticism to Victorian age to Modernism. Historical, social, literary contexts. Issues such as rise of democracy; industrial revolution; the "woman question"; revolutions in literary form. Authors might include Wordsworth, Austen, Dickens, Arnold, T.S. Eliot, and Woolf.

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| 0101 | Orrin Wang<br>MW 12:00pm - 12:50pm<br>F 11:00am - 11:50am | Seats (Total: 22)<br>TWS 1100<br>KEY 0124 | Discussion |
| 0102 | Orrin Wang<br>MW 12:00pm - 12:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 22)<br>TWS 1100<br>JMZ 0103 | Discussion |
| 0103 | Orrin Wang<br>MW 12:00pm - 12:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 22)<br>TWS 1100<br>EDU 2101 | Discussion |
| 0104 | Orrin Wang<br>MW 12:00pm - 12:50pm<br>F 2:00pm - 2:50pm | Seats (Total: 22)<br>TWS 1100<br>KEY 0124 | Discussion |

**ENGL313** **American Literature**

**ENGL313 American Literature; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department.* A detailed study of selected major texts of American literature from the 17th century to the 20th century. Issues such as race, gender, and regionalism. Authors such as Franklin, Hawthorne, Dickinson, Hemingway, and Morrison.

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| 0101 | Michelle Koerner | Seats (Total: 30) | |
| | TuTh 3:30pm - 4:45pm | TWS 0214 | |

**ENGL329A** **Special Topics in Film Studies; Cinema of Liberation**

**ENGL329A Special Topics in Film Studies: Cinema of Liberation; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as CMLT398N. Prerequisite: two lower-level English courses, at least one in literature; or permission of department. Repeatable to 9 credits if content differs. Studies in various periods and genres of film.

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| 0101 | Eugene Robinson | Seats (Total: 30) | |
| | TuTh 12:30pm - 1:45pm | TWS 1107 | |
| | Tu 3:30pm - 5:30pm | TWS 1100 | Lab |
| 0201 | Eugene Robinson | Seats (Total: 30) | |
| | TuTh 2:00pm - 3:15pm | TWS 1107 | |
| | Tu 3:30pm - 5:30pm | TWS 1100 | Lab |

**ENGL329N** **Special Topics in Film Studies; The Cinematic Metropolis: Film and Urban Display Culture**

**ENGL329N Special Topics in Film Studies: The Cinematic Metropolis: Film and Urban Display Culture; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENGL245 or FILM245; or permission of ARHU-Film department. Repeatable to 9 credits if content differs. Also offered as FILM319N.

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| 0101 | Caitlin McGrath | Seats (Total: 30) | |
| | TuTh 2:00pm - 3:15pm | SQH 2121 | |

**ENGL329P** **Special Topics in Film Studies; The Films of Martin Scorsese**

**ENGL329P Special Topics in Film Studies: The Films of Martin Scorsese; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENGL245 or FILM245; or permission of ARHU-Film department. Repeatable to 9 credits if content differs. Also offered as FILM359P.

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|---|---|---|
| 0101 | Marianne Conroy | Seats (Total: 30) |
| | TuTh 11:00am - 12:15pm | SQH 2117 |

**ENGL348J** **Literary Works by Women; Women and Jewish Literature**

**ENGL348J Literary Works by Women: Women and Jewish Literature; (3 credits)**
Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Repeatable to 6 credits if content differs. Also offered as: JWST319C and WMST348J. Credit only granted for: ENGL348J, JWST319C, or WMST348J.

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|---|---|---|
| 0101 | Rachel Jablon | Seats (Total: 30) |
| | Class time/details on ELMs | ONLINE |

**ENGL348P** **Literary Works by Women; Women on the Plantation**

**ENGL348P Literary Works by Women: Women on the Plantation; (3 credits)**
Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as WMST348P. Prerequisite: two lower-level English courses, at least one in literature; or permission of the department.

| | | |
|---|---|---|
| 0101 | Leigh Ryan | Seats (Total: 30) |
| | TuTh 9:30am - 10:45am | TWS 1107 |

**ENGL352** **Intermediate Fiction Workshop**

**ENGL352** *(PermReq)* **Intermediate Fiction Workshop; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of A- in ENGL271; or minimum grade of A- in ENGL272; or permission of ARHU-English department. Credit only granted for: ENGL396 or ENGL352. Formerly: ENGL396.* A class in the making of fiction. Intensive discussion of students' own fiction. Readings include both fiction and essays about fiction by practicing writers. Writing short critical papers, responding to works of fiction, and the fiction of colleagues, in-class writing exercises, intensive reading, and thinking about literature, in equal parts, and attendance at readings.

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|---|---|---|
| 0101 | Thomas Earles<br>MW 11:00am - 12:15pm | Seats (Total: 15)<br>TWS 3134 |
| 0301 | Sean Enright<br>TuTh 2:00pm - 3:15pm | Seats (Total: 15)<br>TWS 3134 |

**ENGL353** **Intermediate Poetry Workshop**

**ENGL353** *(PermReq)* **Intermediate Poetry Workshop; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of A- in ENGL271; or minimum grade of A- in ENGL273; or permission of ARHU-English department. Credit only granted for: ENGL397 or ENGL353. Formerly: ENGL397.* A class in the making of poetry. Intensive discussion of students' own poems. Readings in both poetry and essays about poetry by practicing poets. Writing short critical prose pieces, responding critically to colleagues' poems, in-class and outside writing exercises, memorization, and attendance at poetry readings.

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|---|---|---|
| 0101 | Lindsay Bernal<br>TuTh 12:30pm - 1:45pm | Seats (Total: 15)<br>TWS 3250 |

**ENGL359C** **Special Topics in Lesbian, Gay, and Bisexual Literatures; Queer Comedy**

**ENGL359C Special Topics in Lesbian, Gay, and Bisexual Literatures: Queer Comedy; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as LGBT359M. Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Repeatable to 9 credits if content differs.

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|---|---|---|
| 0101 | Martha Nell Smith | Seats (Total: 30) |
| | TuTh 2:00pm - 3:15pm | TWS 0221 |

**ENGL359F** **Special Topics in Lesbian, Gay, and Bisexual Literatures; Lesbian, Gay, Bisexual, and Transgender Film and Video**

**ENGL359F Special Topics in Lesbian, Gay, and Bisexual Literatures: Lesbian, Gay, Bisexual, and Transgender Film and Video; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as LGBT327.

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|---|---|---|
| 0101 | James Goodwin | Seats (Total: 35) |
| | TuTh 11:00am - 12:15pm | TYD 2102 |

**ENGL362** **Caribbean Literature in English**

**ENGL362 Caribbean Literature in English; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
*Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department.* Political and literary traditions that intersect in the fiction, poetry, and drama written in English by Caribbean writers, primarily during the 20th century.

| | | |
|---|---|---|
| 0101 | Merle Collins | Seats (Total: 30) |
| | TuTh 2:00pm - 3:15pm | TWS 0214 |

**ENGL368B** **Special Topics in the Literature of Africa and the African Diaspora; Blues and African American Folksong**

**ENGL368B Special Topics in the Literature of Africa and the African Diaspora: Blues and African American Folksong; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Repeatable to 9 credits if content differs.

| | | |
|---|---|---|
| 0101 | Barry Pearson | Seats (Total: 30) |
| | MW 2:00pm - 3:15pm | TWS 1107 |

**ENGL369G** **Special Topics in Study Abroad III; Adapting Literature to the Screen**
**Contact department for information to register for this course.**

**ENGL369H** **Special Topics in Study Abroad III; London Stage**
**Contact department for information to register for this course.**

**ENGL369I** **Special Topics in Study Abroad III; Images of Italy in the U.K. and U.S.A.**
**Contact department for information to register for this course.**

**ENGL369L** **Special Topics in Study Abroad III; Angloamerican Travelers in Spain**
**Contact department for information to register for this course.**

**ENGL369Q** **Special Topics in Study Abroad III; Literature of the Shoah**
**Contact department for information to register for this course.**

**ENGL369X** **Special Topics in Study Abroad III; Literature in Liguria**
**Contact department for information to register for this course.**

**ENGL369Z** **Special Topics in Study Abroad III; The London Stage**
**Contact department for information to register for this course.**

**ENGL370** **Junior Honors Conference**

**ENGL370** *(PermReq)* **Junior Honors Conference; (1 credit)** Grade Method: REG/P-F/AUD.
*Restriction: Candidacy for honors in English.* Preparation for writing the senior honors project.

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|---|---|---|
| 0101 | Randy Ontiveros | Seats (Total: 20) |
| | Th 3:30pm - 5:00pm | TWS 3132 |

**ENGL379L** **Special Topics in Literature; American Jewish Literature**

**ENGL379L Special Topics in Literature: American Jewish Literature; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as JWST319T. Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Repeatable to 9 credits if content differs. Credit will be granted for one of the following: ENGL379L or JWST319T.

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|---|---|---|
| 0101 | Rachel Jablon | Seats (Total: 30) |
| | Class time/details on ELMs | ONLINE |

**ENGL379M** **Special Topics in Literature; British Plays in Performance**

**ENGL379M** *(PermReq)* **Special Topics in Literature: British Plays in Performance; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Repeatable to 9 credits if content differs.

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|---|---|---|
| 0101 | Michael Olmert | Seats (Total: 25) |
| | M 3:30pm - 6:00pm | TWS 1121 |

**ENGL379P** **Special Topics in Literature; Fractured Sentences: Prison Literature and the Rhetoric of Resistance**

**ENGL379P Special Topics in Literature: Fractured Sentences: Prison Literature and the Rhetoric of Resistance; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Repeatable to 9 credits if content differs.

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|---|---|---|
| 0101 | Christopher Hazlett | Seats (Total: 30) |
| | TuTh 9:30am - 10:45am | TWS 0221 |

**ENGL379R** **Special Topics in Literature; The Jazz Paradigm**

**ENGL379R Special Topics in Literature: The Jazz Paradigm; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as CMLT398L. Prerequisite: Two lower-level English courses,at least one in literature; or permission of ARHU-English department. Repeatable to 9 credits if content differs.

| | | |
|---|---|---|
| 0101 | Eugene Robinson | Seats (Total: 30) |
| | TuTh 9:30am - 10:45am | TWS 0214 |

**ENGL379W** **Special Topics in Literature; Why Read Literature?**

**ENGL379W Special Topics in Literature: Why Read Literature?; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Repeatable to 9 credits if content differs.

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|---|---|---|
| 0101 | Kent Cartwright | Seats (Total: 30) |
| | TuTh 12:30pm - 1:45pm | TWS 0214 |

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**ENGL385** **English Semantics**

**ENGL385 English Semantics; (3 credits)** Grade Method: REG/P-F/AUD.
An introductory study of meaning in language and paralanguage. General semantics, kinesics, linguistic relativity and recent developments in linguistic semantics.

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|---|---|---|
| 0101 | Michael Israel | Seats (Total: 30) |
| | MW 3:30pm - 4:45pm | TWS 1107 |

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**ENGL388A** **Writing Internship; Second Life Workshop-African American Literature**
**Contact department for information to register for this course.**

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**ENGL388D** **Writing Internship; Dickinson Electronic Archives**

**ENGL388D** *(PermReq)* **Writing Internship: Dickinson Electronic Archives; (1-6 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of the department. Contact Professor Martha Nell Smith, mnsmith@umd.edu

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|---|---|---|
| 0101 | Martha Nell Smith | Seats (Total: 5) |
| | Contact instructor or department for details. | |

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**ENGL388M** **Writing Internship; Maryland General Assembly Pre-Professional Writing Internship**

**ENGL388M** *(PermReq)* **Writing Internship: Maryland General Assembly Pre-Professional Writing Internship; (1-6 credits)** Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
Also offered as HONR379W.

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|---|---|---|
| 0101 | Thomas Lowderbaugh | Seats (Total: 30) |
| | Contact instructor or department for details. | |

**ENGL388P** **Writing Internship; Pre-professional Writing Skills Internship**

**ENGL388P** *(PermReq)* **Writing Internship: Pre-professional Writing Skills Internship; (1-6 credits)** Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: permission of the department. Contact english@umd.edu.

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|---|---|---|
| 0101 | Karen Lewis | Seats (Total: 20) |
| | Contact instructor or department for details. | |

**ENGL388R** **Writing Internship; Romantic Circles**

**ENGL388R** *(PermReq)* **Writing Internship: Romantic Circles; (1-6 credits)** Grade Method: REG.
Prerequisite: permission of the department. Contact Professor Neil Fraistat, fraistat@umd.edu.

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|---|---|---|
| 0101 | Instructor: TBA | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**ENGL388T** **Writing Internship; MITH Internships**

**ENGL388T** *(PermReq)* **Writing Internship: MITH Internships; (1-6 credits)** Grade Method: REG.
Prerequisite: permission of the department. Contact Professor Neil Fraistat, fraistat@umd.edu

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|---|---|---|
| 0101 | Instructor: TBA | Seats (Total: 12) |
| | Contact instructor or department for details. | |

**ENGL388V** **Writing Internship; Undergraduate Teaching Assistants in Writing Programs**

**ENGL388V** *(PermReq)* **Writing Internship: Undergraduate Teaching Assistants in Writing Programs; (1-6 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: permission of department. Repeatable to 9 credits. Contact Dr. Linda Macri, lmacri@umd.edu.

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|---|---|---|
| 0101 | Linda Macri | Seats (Total: 20) |
| | Th 6:30pm - 7:45pm | TWS 3132 |

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|---|---|---|
| 0201 | Linda Macri<br>Contact instructor or department for details. | Seats (Total: 20) |

**ENGL388W** **Writing Internship; Writing Center Internship**

**ENGL388W** *(PermReq)* **Writing Internship: Writing Center Internship; (1-6 credits)** Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice. Prerequisite: permission of the department. Contact the Writing Center, writadmin@umd.edu.

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|---|---|---|
| 0101 | Douglas Kern, Leigh Ryan<br>Th 3:30pm - 6:00pm | Seats (Total: 20)<br>TWS 3250 |

**ENGL390** **Science Writing**

**ENGL390 Science Writing; (3 credits)** Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
*Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits; and junior standing or higher. Credit only granted for: ENGL390 or ENGL393S. Formerly: ENGL393S.* Specifically designed for students interested in further study in the physical and biological sciences. Exposes students to the conventions of scientific prose in the genres of research articles and proposals. Students learn to accommodate scientific information to general audiences. Click here for more course information.

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|---|---|---|
| 0101 | Mary Shea<br>MW 9:00am - 9:50am<br>F 9:00am - 9:50am | Seats (Total: 22)<br>TWS 0223<br>TWS 0207 |
| 0201 | Mary Shea<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am | Seats (Total: 22)<br>TWS 0223<br>PLS 1180 |
| 0301 | Mary Shea<br>MW 11:00am - 11:50am<br>F 11:00am - 11:50am | Seats (Total: 22)<br>TWS 0223<br>TWS 1105 |
| 1101 | John Matthews<br>TuTh 9:30am - 10:45am | Seats (Total: 22)<br>KEY 0119 |

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|---|---|---|
| 1201 | John Matthews<br>TuTh 11:00am - 12:15pm | Seats (Total: 22)<br>KEY 0119 |
| 1301 | Paul Haynos<br>Tu 12:30pm - 1:45pm<br>Th 12:30pm - 1:45pm | Seats (Total: 22)<br>TWS 0230<br>TWS 0236 |
| 1501 | Paul Haynos<br>Tu 3:30pm - 4:45pm<br>Th 3:30pm - 4:45pm | Seats (Total: 22)<br>TWS 0232<br>TWS 1105 |
| 1505 | Paul Haynos<br>Tu 5:00pm - 6:15pm<br>Th 5:00pm - 6:15pm | Seats (Total: 22)<br>TWS 0232<br>TWS 1105 |

**ENGL391** **Advanced Composition**

**ENGL391 Advanced Composition; (3 credits)** Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
*Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.*
An advanced composition course which emphasizes constructing written arguments accommodated to real audiences. Click here for more information on professional writing courses.

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|---|---|---|
| 0201 | Danuta Hinc<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am | Seats (Total: 22)<br>TWS 0230<br>TWS 1105 |
| 0301 | Danuta Hinc<br>MW 11:00am - 11:50am<br>F 11:00am - 11:50am | Seats (Total: 22)<br>TWS 0230<br>ASY 3221 |
| 0401 | Ann Bracken<br>MW 12:00pm - 12:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 22)<br>TWS 0230<br>TWS 1105 |
| 0402 | Robert Crane<br>MWF 12:00pm - 12:50pm | Seats (Total: 22)<br>HBK 0123 |

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|---|---|---|
| 0501 | Danuta Hinc<br>MW 1:00pm - 1:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 22)<br>TWS 0230<br>TWS 1105 |
| 0502 | Ann Bracken<br>MW 1:00pm - 1:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 22)<br>TWS 0224<br>TWS 0207 |
| 1101 | Melanie Faith<br>Tu 9:30am - 10:45am<br>Th 9:30am - 10:45am | Seats (Total: 22)<br>TWS 0234<br>TWS 0224 |
| 1202 | Melanie Faith<br>Tu 11:00am - 12:15pm<br>Th 11:00am - 12:15pm | Seats (Total: 22)<br>TWS 0234<br>TWS 0224 |
| 1301 | Melanie Faith<br>Tu 12:30pm - 1:45pm<br>Th 12:30pm - 1:45pm | Seats (Total: 22)<br>TWS 0234<br>TWS 0224 |
| 1401 | Elizabeth McClure<br>TuTh 2:00pm - 3:15pm | Seats (Total: 22)<br>SQH 2122 |
| 1701 | Mark Fitzgerald<br>Tu 6:30pm - 9:10pm | Seats (Total: 22)<br>TWS 0224 |
| 1901 | Mark Fitzgerald<br>Th 6:30pm - 9:10pm | Seats (Total: 22)<br>TWS 0224 |

**ENGL391H** **Advanced Composition**

**ENGL391H Advanced Composition; (3 credits)** Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
*Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.*
An advanced composition course which emphasizes constructing written arguments accommodated to real audiences. Restricted to students in the University or departmental Honors program. Click here for more information on professional writing courses.

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|---|---|---|
| 0201 | Mark Forrester<br>MWF 10:00am - 10:50am | Seats (Total: 22)<br>TWS 0234 |

**ENGL392** **Legal Writing**

**ENGL392 Legal Writing; (3 credits)** Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
*Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.*
Conventions of legal writing and research. Students learn how to read and write about cases, statutes or other legislation; how to apply legal principles to fact scenarios; and how to present a written analysis for readers in the legal profession. Assignments may include the law-school application essay, case briefs, legal memos, and client letters. Click here for more information on professional writing courses.

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|---|---|---|
| 0101 | Robin Earnest<br>MW 9:00am - 9:50am<br>F 9:00am - 9:50am | Seats (Total: 22)<br>TWS 0224<br>TWS 0236 |
| 0201 | Robin Earnest<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am | Seats (Total: 22)<br>TWS 0224<br>EDU 3233 |
| 0401 | Barbara Lauren<br>MWF 12:00pm - 12:50pm | Seats (Total: 22)<br>SQH 2121 |
| 1101 | William Schatz<br>Tu 9:30am - 10:45am<br>Th 9:30am - 10:45am | Seats (Total: 22)<br>TWS 0236<br>TWS 0230 |
| 1201 | William Schatz<br>Tu 11:00am - 12:15pm<br>Th 11:00am - 12:15pm | Seats (Total: 22)<br>TWS 0236<br>TWS 0230 |
| 1301 | William Schatz<br>Tu 12:30pm - 1:45pm<br>Th 12:30pm - 1:45pm | Seats (Total: 22)<br>TWS 0236<br>TWS 0230 |
| 1601 | Michael Winett<br>M 6:30pm - 9:10pm | Seats (Total: 22)<br>TWS 0232 |

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| 1801 | Michael Winett<br>W 6:30pm - 9:10pm | Seats (Total: 22)<br>TWS 0230 |

**ENGL393** **Technical Writing**

**ENGL393 Technical Writing; (3 credits)** Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
*Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.*
The writing of technical papers and reports. Click here for more information on professional writing courses.

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|---|---|---|
| 0101 | Samantha Gendler<br>MW 9:00am - 9:50am<br>F 9:00am - 9:50am | Seats (Total: 22)<br>TWS 1106<br>TWS 0224 |
| 0201 | Joan Mooney<br>MWF 10:00am - 10:50am | Seats (Total: 22)<br>TWS 0236 |
| 0202 | Samantha Gendler<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am | Seats (Total: 22)<br>TWS 0205<br>TWS 0224 |
| 0301 | Joan Mooney<br>MWF 11:00am - 11:50am | Seats (Total: 22)<br>TWS 0236 |
| 0302 | Samantha Gendler<br>MW 11:00am - 11:50am<br>F 11:00am - 11:50am | Seats (Total: 22)<br>TWS 0234<br>TWS 0224 |
| 0801 | Candace Orsetti<br>MW 5:00pm - 6:15pm | Seats (Total: 22)<br>TWS 0205 |
| 1001 | Connie Inukai<br>Tu 8:00am - 9:15am<br>Th 8:00am - 9:15am | Seats (Total: 22)<br>TWS 0230<br>ASY 3217 |
| 1101 | Kelly Cresap<br>TuTh 9:30am - 10:45am | Seats (Total: 22)<br>EDU 2102 |

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|---|---|---|
| 1201 | Kelly Cresap<br>TuTh 11:00am - 12:15pm | Seats (Total: 22)<br>KEY 0124 |
| 1202 | Connie Inukai<br>Tu 11:00am - 12:15pm<br>Th 11:00am - 12:15pm | Seats (Total: 22)<br>TWS 0230<br>TWS 0236 |
| 1501 | Daniel Saalfeld<br>Tu 3:30pm - 4:45pm<br>Th 3:30pm - 4:45pm | Seats (Total: 22)<br>TWS 0230<br>TWS 0236 |
| 1505 | Daniel Saalfeld<br>Th 5:00pm - 6:15pm<br>Tu 5:00pm - 6:15pm | Seats (Total: 22)<br>TWS 0234<br>TWS 0230 |
| 1601 | Alexandra Calloway<br>M 6:30pm - 9:10pm | Seats (Total: 22)<br>TWS 0224 |
| 1602 | Amanda Olson<br>M 6:30pm - 9:10pm | Seats (Total: 22)<br>TWS 0223 |
| 1701 | Amanda Olson<br>Tu 6:30pm - 9:10pm | Seats (Total: 22)<br>TWS 0223 |
| 1702 | Rebecca Ritzel<br>Tu 6:30pm - 9:10pm | Seats (Total: 22)<br>TWS 0234 |
| 1801 | Ellen Blumner<br>W 6:30pm - 9:10pm | Seats (Total: 22)<br>TWS 0224 |
| 1802 | Rebecca Ritzel<br>W 6:30pm - 9:10pm | Seats (Total: 22)<br>TWS 0234 |
| 1803 | Robert Schubert<br>W 6:30pm - 9:10pm | Seats (Total: 22)<br>TWS 0232 |
| 1901 | Paul Haynos<br>Th 6:30pm - 9:10pm | Seats (Total: 22)<br>TWS 0230 |
| 1902 | Robert Schubert<br>Th 6:30pm - 9:10pm | Seats (Total: 22)<br>TWS 0232 |

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|---|---|---|
| BL01 | Phillip Moses<br>M 2:00pm - 3:15pm<br>W 2:00pm - 3:15pm | Seats (Total: 22)<br>ONLINE<br>KEY 0124 |
| | *Blended Learning courses combine face-to-face and online interactions.* | |
| BL02 | Sarah Dammeyer<br>Tu 12:30pm - 1:45pm<br>Th 12:30pm - 1:45pm | Seats (Total: 22)<br>ONLINE<br>KEY 0124 |
| | *Blended Learning courses combine face-to-face and online interactions.* | |
| BL03 | Sarah Dammeyer<br>Tu 2:00pm - 3:15pm<br>Th 2:00pm - 3:15pm | Seats (Total: 22)<br>ONLINE<br>KEY 0120 |
| | *Blended Learning courses combine face-to-face and online interactions.* | |
| BL04 | Sheila Lalwani<br>Th 12:30pm - 1:45pm<br>Tu 12:30pm - 1:45pm | Seats (Total: 22)<br>ONLINE<br>JMZ 1122 |
| | *Blended Learning courses combine face-to-face and online interactions.* | |
| BL05 | Sheila Lalwani<br>Tu 2:00pm - 3:15pm<br>Th 2:00pm - 3:15pm | Seats (Total: 22)<br>TLF 1103<br>ONLINE |
| | *Blended Learning courses combine face-to-face and online interactions.* | |
| BL11 | Phillip Moses<br>M 3:30pm - 4:45pm<br>W 3:30pm - 4:45pm | Seats (Total: 22)<br>ONLINE<br>KEY 0124 |
| BL12 | Pamela Orel<br>M 3:30pm - 4:45pm<br>W 3:30pm - 4:45pm | Seats (Total: 22)<br>KEY 0124<br>ONLINE |
| BL21 | Phillip Moses<br>M 5:00pm - 6:15pm<br>W 5:00pm - 6:15pm | Seats (Total: 22)<br>ONLINE<br>TWS 0207 |
| BL22 | Pamela Orel<br>M 5:00pm - 6:15pm<br>W 5:00pm - 6:15pm | Seats (Total: 22)<br>TWS 0207<br>ONLINE |

| | | |
|---|---|---|
| BL41 | Phillip Moses<br>M 8:00pm - 9:15pm<br>W 8:00pm - 9:15pm | Seats (Total: 22)<br>ONLINE<br>TWS 0214 |

**ENGL393H** **Technical Writing**

**ENGL393H Technical Writing; (3 credits)** Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
*Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.* The writing of technical papers and reports. Restricted to students in the University or departmental Honors proram. Click here for more information on professional writing courses.

| | | |
|---|---|---|
| 1401 | Katherine Izsak<br>Tu 2:00pm - 3:15pm<br>Th 2:00pm - 3:15pm | Seats (Total: 22)<br>TWS 0234<br>TWS 0230 |

**ENGL393X** **Technical Writing**

**ENGL393X** *(PermReq)* **Technical Writing; (3 credits)** Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
*Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.* The writing of technical papers and reports. Restricted to students for whom English is a second language and who have a score below any of the following: SAT Verbal 400, TOEFL 575, CELT 250. Students who have received an "A" in ENGL 101 or its equivalent cannot register for ENGL 393X. Click here for more information on professional writing courses.

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|---|---|---|
| 1401 | Daniel Saalfeld<br>Tu 2:00pm - 3:15pm<br>Th 2:00pm - 3:15pm | Seats (Total: 15)<br>TWS 0230<br>TWS 0234 |

**ENGL394** **Business Writing**

**ENGL394 Business Writing; (3 credits)** Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
*Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.*
Intensive practice in the forms of written communication common in the business world-letters, memos, short reports, and proposals. Principles of rhetoric and effective style. Click here for more information on professional writing courses.

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|---|---|---|
| 0101 | Mary Turner<br>MWF 9:00am - 9:50am | Seats (Total: 22)<br>TWS 1105 |
| 0201 | Karen Angeline<br>MWF 10:00am - 10:50am | Seats (Total: 22)<br>HBK 1108 |
| 0202 | Mary Turner<br>MWF 10:00am - 10:50am | Seats (Total: 22)<br>TWS 0207 |
| 0301 | Karen Angeline<br>MWF 11:00am - 11:50am | Seats (Total: 22)<br>LEF 1222 |
| 0302 | Ceil Goldberg<br>M 11:00am - 11:50am<br>WF 11:00am - 11:50am | Seats (Total: 22)<br>ASY 3221<br>TWS 0232 |
| 0401 | Ceil Goldberg<br>M 12:00pm - 12:50pm<br>WF 12:00pm - 12:50pm | Seats (Total: 22)<br>TWS 1105<br>TWS 0232 |
| 0402 | Mary Turner<br>MWF 12:00pm - 12:50pm | Seats (Total: 22)<br>TWS 0234 |
| 0601 | James Mattson<br>MW 2:00pm - 3:15pm | Seats (Total: 22)<br>TWS 1105 |
| 0602 | Ceil Goldberg<br>M 2:00pm - 3:15pm<br>W 2:00pm - 3:15pm | Seats (Total: 22)<br>KEY 0119<br>TWS 0232 |
| 0701 | James Mattson<br>MW 3:30pm - 4:45pm | Seats (Total: 22)<br>TWS 1105 |

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|---|---|---|
| 0702 | Ellen Blumner<br>M 3:30pm - 4:45pm<br>W 3:30pm - 4:45pm | Seats (Total: 22)<br>TWS 0236<br>TWS 0224 |
| 0801 | Ellen Blumner<br>M 5:00pm - 6:15pm<br>W 5:00pm - 6:15pm | Seats (Total: 22)<br>TWS 0201<br>TWS 0224 |
| 1102 | Clare Parsons<br>TuTh 9:30am - 10:45am | Seats (Total: 22)<br>EDU 3236 |
| 1103 | Stewart Foehl<br>TuTh 9:30am - 10:45am | Seats (Total: 22)<br>TWS 0207 |
| 1201 | Clare Parsons<br>TuTh 11:00am - 12:15pm | Seats (Total: 22)<br>SQH 1105 |
| 1202 | Shayna Maskell<br>TuTh 11:00am - 12:15pm | Seats (Total: 22)<br>TWS 1105 |
| 1302 | Frederick Bolton<br>TuTh 12:30pm - 1:45pm | Seats (Total: 22)<br>PLS 1176 |
| 1303 | Stewart Foehl<br>TuTh 12:30pm - 1:45pm | Seats (Total: 22)<br>TWS 0207 |
| 1401 | Thomas Lowderbaugh<br>Tu 2:00pm - 3:15pm<br>Th 2:00pm - 3:15pm | Seats (Total: 22)<br>TWS 1105<br>TWS 0224 |
| 1402 | Frederick Bolton<br>TuTh 2:00pm - 3:15pm | Seats (Total: 22)<br>SQH 2119 |
| 1403 | Shayna Maskell<br>TuTh 2:00pm - 3:15pm | Seats (Total: 22)<br>TWS 0207 |
| 1502 | Donald McGlew<br>TuTh 3:30pm - 4:45pm | Seats (Total: 22)<br>TWS 0234 |
| 1503 | Donald McNeilly<br>TuTh 3:30pm - 4:45pm | Seats (Total: 22)<br>HBK 0123 |

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|---|---|---|
| 1505 | Donald McGlew<br>TuTh 5:00pm - 6:15pm | Seats (Total: 22)<br>TWS 0214 |
| 1506 | Donald McNeilly<br>TuTh 5:00pm - 6:15pm | Seats (Total: 22)<br>TWS 0201 |
| 1601 | Elizabeth Fixsen<br>M 6:30pm - 9:10pm | Seats (Total: 22)<br>TWS 0230 |
| BL01 | Clare Parsons<br>Th 8:00am - 9:15am<br>Class time/details on ELMs | Seats (Total: 22)<br>TWS 1106<br>ONLINE |
| SG91 | Katherine Wilson<br>Tu 8:00am - 9:15am<br>Class time/details on ELMs<br>*Restricted to BMGT-Shady Grove students excluding students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | Seats (Total: 22)<br>BLD3 3211<br>ONLINE |
| SG92 | Katherine Wilson<br>Tu 9:30am - 10:45am<br>Class time/details on ELMs<br>*Restricted to BMGT-Shady Grove students excluding students majoring in Accounting. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | Seats (Total: 22)<br>BLD3 3211<br>ONLINE |
| SG93 | Katherine Wilson<br>Tu 11:00am - 12:15pm<br>Class time/details on ELMs<br>*Restricted to BMGT-Shady Grove students excluding students majoring in Accounting and Management. Students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | Seats (Total: 22)<br>BLD3 3211<br>ONLINE |
| SG94 | Katherine Robinson<br>TuTh 11:00am - 12:15pm<br>*Restricted to BMGT-Shady Grove students excluding students majoring in Accounting and Management. Other students may request enrollment on a space available basis. UMCP Undergraduate BMGT students are not eligible to enroll at Shady Grove.* | Seats (Total: 22)<br>BLD3 3203 |

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|---|---|---|
| SG95 | Katherine Wilson<br>Tu 2:00pm - 3:15pm<br>Class time/details on ELMs | Seats (Total: 22)<br>BLD3 3211<br>ONLINE |
| | *Restricted to BMGT-Shady Grove students majoring in Management. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | |
| SG98 | Katherine Robinson<br>TuTh 2:00pm - 3:15pm | Seats (Total: 22)<br>Location: TBA |
| | *This section is restrcited to COMM students enrolled at Shady Grove.* | |

**ENGL395** **Writing for Health Professions**

**ENGL395 Writing for Health Professions; (3 credits)** Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
*Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.* Focus on accommodating technical material and empirical studies to lay audiences, and helping writers to achieve stylistic flexibility and correctness. Click here for more information on professional writing courses.

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|---|---|---|
| 0101 | Barbara Berman<br>MWF 9:00am - 9:50am | Seats (Total: 22)<br>TWS 0214 |
| 0201 | Barbara Berman<br>MWF 10:00am - 10:50am | Seats (Total: 22)<br>KEY 0116 |
| 0701 | Christopher Crane<br>MW 3:30pm - 4:45pm | Seats (Total: 22)<br>HBK 0123 |
| 1002 | Tanya Paperny<br>TuTh 8:00am - 9:15am | Seats (Total: 22)<br>ARM 0121 |
| 1101 | David Kohn<br>TuTh 9:30am - 10:45am | Seats (Total: 22)<br>ARM 0121 |
| 1501 | Meredith Gray-Grener<br>TuTh 3:30pm - 4:45pm | Seats (Total: 22)<br>ASY 3207 |

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|---|---|---|
| 1701 | Daniel Pendick<br>Tu 6:30pm - 9:10pm | Seats (Total: 22)<br>TWS 0232 |
| SG91 | Joseph Wappel<br>TuTh 12:30pm - 1:45pm<br>*Registration is restricted to Public Health-Shady Grove majors.* | Seats (Total: 22)<br>BLD3 3226 |
| SG92 | Joseph Wappel<br>TuTh 2:00pm - 3:15pm<br>*Restricted to Public Health Shady Grove Majors.* | Seats (Total: 22)<br>Location: TBA |
| SG98 | Meredith Gray-Grener<br>TuTh 11:00am - 12:15pm<br>*Restricted to Biological Sciences majors at Shady Grove. All other students email usgbiosci@umd.edu for permission.* | Seats (Total: 22)<br>BLD3 4203 |

**ENGL398A** **Topics in Professional Writing; Writing for the Arts**

**ENGL398A Topics in Professional Writing: Writing for the Arts; (3 credits)** Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Click here for more information on professional writing courses.

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|---|---|---|
| 1001 | Caroline Wilkins<br>TuTh 8:00am - 9:15am | Seats (Total: 22)<br>TWS 1105 |
| 1101 | Caroline Wilkins<br>TuTh 9:30am - 10:45am | Seats (Total: 22)<br>TLF 1103 |
| 1201 | Caroline Wilkins<br>TuTh 11:00am - 12:15pm | Seats (Total: 22)<br>SQH 1123 |

**ENGL398B** **Topics in Professional Writing; Writing for Social Entrepreneurship**

**ENGL398B Topics in Professional Writing: Writing for Social Entrepreneurship; (3 credits)** Grade Method: REG.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This c ourse satisfies the professional writing requirement. Click here for more course information.

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|---|---|---|
| 0601 | Zahara Heckscher, Amy Kincaid<br>M 2:00pm - 3:15pm<br>W 2:00pm - 3:15pm | Seats (Total: 22)<br>TWS 0232<br>KEY 0119 |
| 0701 | Zahara Heckscher, Amy Kincaid<br>M 3:30pm - 4:45pm<br>W 3:30pm - 4:45pm | Seats (Total: 22)<br>TWS 0232<br>KEY 0119 |

**ENGL398C** **Topics in Professional Writing; Writing Case Studies and Investigative Reports**

**ENGL398C Topics in Professional Writing: Writing Case Studies and Investigative Reports; (3 credits)** Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Click here for more course information.

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|---|---|---|
| 0701 | Joshua Buursma<br>MW 3:30pm - 4:45pm | Seats (Total: 22)<br>TWS 0234 |
| 0801 | Joshua Buursma<br>MW 5:00pm - 6:15pm | Seats (Total: 22)<br>TWS 0234 |
| SG91 | Joseph Wappel<br>MW 9:30am - 10:45am<br>*Registration is restricted to CCJS-Shady Grove students.* | Seats (Total: 22)<br>BLD3 3203 |
| SG92 | Joseph Wappel<br>MW 11:00am - 12:15pm<br>*Registration is restricted to CCJS-Shady Grove students.* | Seats (Total: 22)<br>BLD3 3203 |

**ENGL398E** **Topics in Professional Writing; Writing about Economics**

**ENGL398E Topics in Professional Writing: Writing about Economics; (3 credits)** Grade Method: REG. GenEd: Fundamental Studies - Professional Writing.
Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Click here for more course information.

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|---|---|---|
| 0801 | Michael Winett<br>M 5:00pm - 6:15pm<br>W 5:00pm - 6:15pm | Seats (Total: 22)<br>TWS 0232<br>TWS 1105 |

**ENGL398L** **Topics in Professional Writing; Scholarly Writing in the Humanities**

**ENGL398L Topics in Professional Writing: Scholarly Writing in the Humanities; (3 credits)** Grade Method: REG. GenEd: Fundamental Studies - Professional Writing. P:60 credits and completion of ENGL101 oe. This course satisfies the professional writing requirement.An advanced composition class focusing on the norms and procedures of advanced academic writing. Click here for more information.

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|---|---|---|
| 0301 | Mark Forrester<br>MWF 11:00am - 11:50am | Seats (Total: 22)<br>TWS 0207 |

**ENGL398N** **Topics in Professional Writing; Writing for Non-Profit Organizations**

**ENGL398N Topics in Professional Writing: Writing for Non-Profit Organizations; (3 credits)** Grade Method: REG. GenEd: Fundamental Studies - Professional Writing. Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Click here for more course information.

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|---|---|---|
| 0301 | John Mancini<br>MWF 11:00am - 11:50am | Seats (Total: 22)<br>ARM 0110 |
| 0401 | John Mancini<br>MWF 12:00pm - 12:50pm | Seats (Total: 22)<br>TWS 0207 |
| 1301 | Rebecca Holden<br>Tu 12:30pm - 1:45pm<br>Th 12:30pm - 1:45pm | Seats (Total: 22)<br>TWS 0224<br>TWS 0234 |
| 1401 | Rebecca Holden<br>Tu 2:00pm - 3:15pm<br>Th 2:00pm - 3:15pm | Seats (Total: 22)<br>TWS 0224<br>TWS 1105 |

**ENGL398R** **Topics in Professional Writing; Writing Non-Fictional Narratives**

**ENGL398R Topics in Professional Writing: Writing Non-Fictional Narratives; (3 credits)** Grade Method: REG. GenEd: Fundamental Studies - Professional Writing. Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Click here for more course information.

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|---|---|---|
| 1001 | Pamela Gerhardt<br>Tu 8:00am - 9:15am<br>Th 8:00am - 9:15am | Seats (Total: 22)<br>TWS 0232<br>TWS 0236 |
| 1101 | Pamela Gerhardt<br>Tu 9:30am - 10:45am<br>Th 9:30am - 10:45am | Seats (Total: 22)<br>TWS 0232<br>TWS 0236 |
| 1201 | Timothy Denevi<br>TuTh 11:00am - 12:15pm | Seats (Total: 22)<br>TWS 0207 |

**ENGL398V** **Topics in Professional Writing; Writing about the Environment**

**ENGL398V Topics in Professional Writing: Writing about the Environment; (3 credits)** Grade Method: REG. GenEd: Fundamental Studies - Professional Writing. Prerequisite: 60 credits and completion of ENGL101 or equivalent. This course satisfies the professional writing requirement. Click here for more course information.

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|---|---|---|
| 0601 | Ann Mason<br>MW 2:00pm - 3:15pm | Seats (Total: 22)<br>TWS 0207 |
| 0701 | Ann Mason<br>MW 3:30pm - 4:45pm | Seats (Total: 22)<br>TWS 0207 |
| 0801 | Ann Mason<br>MW 5:00pm - 6:15pm | Seats (Total: 22)<br>HBK 1108 |
| 1101 | Lindsay Jacoby<br>TuTh 9:30am - 10:45am | Seats (Total: 22)<br>KEY 0123 |

**ENGL402** **Chaucer**

**ENGL402 Chaucer; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: Two English courses in literature; or permission of ARHU-English department.* Works read in Middle English. Readings may include Canterbury Tales, Troilus and Criseyde, dream visions, lyrics.

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|---|---|---|
| 0101 | Kellie Robertson<br>TuTh 12:30pm - 1:45pm | Seats (Total: 25)<br>TWS 1106 |

**ENGL403** **Shakespeare: The Early Works**

**ENGL403 Shakespeare: The Early Works; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Two English courses in literature; or permission of ARHU-English department.* Close study of selected works from the first half of Shakespeare's career. Generic issues of early histories, comedies, tragedies. Language, theme, dramatic technique, sources, and early modern English social-historical context.

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|---|---|---|
| 0101 | Scott Trudell<br>TuTh 3:30pm - 4:45pm | Seats (Total: 25)<br>TWS 0205 |

**ENGL404** **Shakespeare: The Later Works**

**ENGL404 Shakespeare: The Later Works; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Two English courses in literature; or permission of ARHU-English department.* Close study of selected plays from the second half of Shakespeare's career. Generic issues of later tragedies, later comedies, romances. Language, theme, dramatic technique, sources, and early modern English social-historical context.

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|---|---|---|
| 0101 | Amanda Bailey<br>MW 11:00am - 12:15pm | Seats (Total: 25)<br>TWS 0214 |

**ENGL409C** **Study Abroad Special Topics IV; Shakespeare's Italian Plays**
**Contact department for information to register for this course.**

**ENGL409K** **Study Abroad Special Topics IV; A Moveable Feast: Writing about Food**
**Contact department for information to register for this course.**

**ENGL409L** **Study Abroad Special Topics IV; Literature of London**
**Contact department for information to register for this course.**

**ENGL425** **Modern British Literature**

**ENGL425 Modern British Literature; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: Two English courses in literature; or permission of ARHU-English department.* Major Modernist writers in English prose and poetry since 1900. Such writers as Eliot, Larkin, Forster, Burgess, Durrell, Henry Green, Golding, Auden, Malcolm Lowry, Joyce, and Yeats.

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|---|---|---|
| 0101 | Christina Walter<br>MW 2:00pm - 3:15pm | Seats (Total: 25)<br>TWS 0214 |

**ENGL428X** **Seminar in Language and Literature; Shakespeare and the Idea of Comedy**

**ENGL428X** *(PermReq)* **Seminar in Language and Literature: Shakespeare and the Idea of Comedy; (3 credits)** Grade Method: REG/P-F/AUD.
Junior standing. For ENGL majors only. Repeatable to 9 credits if content differs. Course intended primarily for students in English Honors Program. English majors with strong academic records may also apply. Permission from the Director of Honors required.

| | | |
|---|---|---|
| 0101 | Kent Cartwright<br>TuTh 9:30am - 10:45am | Seats (Total: 20)<br>TWS 3132 |

**ENGL428Y** **Seminar in Language and Literature; Postcolonial, Global, Transnational**

**ENGL428Y** *(PermReq)* **Seminar in Language and Literature: Postcolonial, Global, Transnational; (3 credits)** Grade Method: REG/P-F/AUD.
Junior standing. For ENGL majors only. Repeatable to 9 credits if content differs. Course intended primarily for students in English Honors Program. English majors with strong academic records may also apply. Permission from the Director of Honors required.

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|---|---|---|
| 0101 | Sangeeta Ray<br>MW 11:00am - 12:15pm | Seats (Total: 20)<br>TWS 3132 |

**ENGL429** **Independent Research in English**

**ENGL429** *(PermReq)* **Independent Research in English; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: ENGL301 and two English courses, excluding Fundamental Studies requirement.

**Contact department for information to register for this course.**

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**ENGL430** **American Literature, Beginning to 1810, the Colonial and Federal Periods**

**ENGL430 American Literature, Beginning to 1810, the Colonial and Federal Periods; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Two English courses in literature; or permission of ARHU-English department.* Puritanism, the Enlightenment, early Romanticism. Writers such as Bradstreet, Franklin, Brown.

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|---|---|---|
| 0101 | Ralph Bauer | Seats (Total: 25) |
| | MW 3:30pm - 4:45pm | TWS 0221 |

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**ENGL432** **American Literature: 1865 to 1914, Realism and Naturalism**

**ENGL432 American Literature: 1865 to 1914, Realism and Naturalism; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Two English courses in literature; or permission of ARHU-English department.* Reconstruction, Realism, Naturalism. Representative writers such as Dickinson, James, Dreiser.

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|---|---|---|
| 0101 | John Auchard | Seats (Total: 25) |
| | TuTh 9:30am - 10:45am | TWS 0205 |

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**ENGL433** **American Literature: 1914 to the Present, the Modern Period**

**ENGL433 American Literature: 1914 to the Present, the Modern Period; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Two English courses in literature; or permission of ARHU-English department.* Modernism, Postmodernism. Writers such as Stevens, Stein, Ellison.

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|---|---|---|
| 0101 | Sharada Balachandran Orihuela | Seats (Total: 25) |
| | TuTh 11:00am - 12:15pm | TWS 0214 |

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**ENGL435** **American Poetry: Beginning to the Present**
**Contact department for information to register for this course.**

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**ENGL437** **Contemporary American Literature**

**ENGL437 Contemporary American Literature; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Two English courses in literature; or permission of ARHU-English department.* Prose, poetry, drama of living American writers. Current cultural and social issues.

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|---|---|---|
| 0101 | Randy Ontiveros | Seats (Total: 25) |
| | TuTh 12:30pm - 1:45pm | TWS 0205 |

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**ENGL439C** **Major American Writers after 1865; Hemingway and his Competitors**

**ENGL439C Major American Writers after 1865: Hemingway and his Competitors; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. Repeatable to 9 credits if content differs.

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|---|---|---|
| 0101 | David Wyatt | Seats (Total: 25) |
| | MW 2:00pm - 3:15pm | TWS 0221 |

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**ENGL448A** **Literature by Women of Color; Caribbean Literature by Women**

**ENGL448A Literature by Women of Color: Caribbean Literature by Women; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department.

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|---|---|---|
| 0101 | Merle Collins | Seats (Total: 25) |
| | TuTh 11:00am - 12:15pm | TWS 0205 |

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**ENGL456** **The Nineteenth-Century English Novel**

**ENGL456 The Nineteenth-Century English Novel; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Two English courses in literature; or permission of ARHU-English department.* Surveys major novels of the period. Attention to narrative form and realism; representations of gender and class; social contexts for reading, writing and publishing. Authors such as Austen, Bronte, Dickens, George Eliot, Trollope.

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|---|---|---|---|
| 0101 | Jesse Taylor | Seats (Total: 25) | |
| | TuTh 3:30pm - 4:45pm | TWS 1106 | |

**ENGL462** **Folksong and Ballad**

**ENGL462 Folksong and Ballad; (3 credits)** Grade Method: REG/P-F/AUD.
A cross-section of American folk and popular songs in their cultural contexts; artists from Bill Monroe to Robert Johnson.

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|---|---|---|---|
| 0101 | Barry Pearson | Seats (Total: 25) | |
| | MW 11:00am - 12:15pm | TWS 0205 | |

**ENGL466** **Arthurian Legend**

**ENGL466 Arthurian Legend; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Two English courses in literature; or permission of ARHU-English department.* Development of Arthurian legend in English and continental literature from Middle Ages to twentieth century. All readings in modern English.

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|---|---|---|---|
| 0101 | Thomas Moser | Seats (Total: 25) | |
| | TuTh 9:30am - 10:45am | TWS 1106 | |

**ENGL468E** **Selected Topics in Film Studies; Fantastic Voyages: Cinema and Exploration**

**ENGL468E Selected Topics in Film Studies: Fantastic Voyages: Cinema and Exploration; (3-9 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENGL245, FILM245, SLLC283, or FILM283; or permission of program. Also offered as FILM459E.

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|---|---|---|---|
| 0101 | Oliver Gaycken | Seats (Total: 25) | |
| | MW 2:00pm - 3:15pm | KEY 0120 | |
| | W 3:30pm - 5:30pm | KEY 0120 | Lab |

**ENGL468F** **Selected Topics in Film Studies; The Americas in Film**

**ENGL468F Selected Topics in Film Studies: The Americas in Film; (3-9 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENGL245, FILM245, SLLC283, or FILM283; or permission of program. Also offered as CMLT498F and FILM429F.

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|---|---|---|---|
| 0101 | Regina Harrison | Seats (Total: 25) | |
| | MW 12:30pm - 1:45pm | HBK 0302H | |
| | M 3:30pm - 6:00pm | SQH 2122 | Lab |

**ENGL471** **African-American Literature: 1910-1945**

**ENGL471 African-American Literature: 1910-1945; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Two English courses in literature; or permission of ARHU-English department.* Emergence of modernism in African-American writing including debates over the definition of unique African-American aesthetics, with emphasis on conditions surrounding the production of African-American literatures.

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|---|---|---|
| 0101 | Keguro Macharia | Seats (Total: 25) |
| | MW 3:30pm - 4:45pm | TWS 0214 |

**ENGL475** **Postmodern Literature**

**ENGL475 Postmodern Literature; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Two English courses in literature; or permission of ARHU-English department.* The origins and ongoing development of postmodern literature. Aspects of the "postmodern condition," such as the collapse of identity, the erasure of cultural and aesthetic boundaries, and the dissolution of life into textuality. The novel and other genres and media.

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|---|---|---|
| 0101 | Lee Konstantinou | Seats (Total: 25) |
| | MW 3:30pm - 4:45pm | TWS 0201 |

**ENGL478E** **Selected Topics in English and American Literature before 1800; The Story of Troy: An Ancient Tale Told and Retold**

**ENGL478E Selected Topics in English and American Literature before 1800: The Story of Troy: An Ancient Tale Told and Retold; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: two English courses in literature or permission of department. Repeatable if content differs.

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|---|---|---|
| 0101 | Linda Coleman | Seats (Total: 25) |
| | TuTh 2:00pm - 3:15pm | TWS 0205 |

**ENGL479A** **Selected Topics in English and American Literature after 1800; Science Fiction Feminisms**

**ENGL479A Selected Topics in English and American Literature after 1800: Science Fiction Feminisms; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as WMST498Q.

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|---|---|---|
| 0101 | Katie King | Seats (Total: 30) |
| | TuTh 3:30pm - 4:45pm | WDS 1130 |

**ENGL479G** **Selected Topics in English and American Literature after 1800; Gothic Spaces: Romanticism and the Gothic**

**ENGL479G Selected Topics in English and American Literature after 1800: Gothic Spaces: Romanticism and the Gothic; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. Repeatable to 9 credits if content differs.

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|---|---|---|
| 0101 | Orrin Wang | Seats (Total: 25) |
| | MW 3:30pm - 4:45pm | TWS 0205 |

**ENGL479J** **Selected Topics in English and American Literature after 1800; Australian Literature**

**ENGL479J Selected Topics in English and American Literature after 1800: Australian Literature; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Two English courses in literature; or permission of ARHU-English department. Repeatable to 9 credits if content differs.

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|---|---|---|
| 0101 | Jason Rudy | Seats (Total: 25) |
| | MW 2:00pm - 3:15pm | TWS 0201 |

**ENGL479L** **Selected Topics in English and American Literature after 1800; 21st-Century African American Literature**

**ENGL479L Selected Topics in English and American Literature after 1800: 21st-Century African American Literature; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisite: Two English courses in literature; or permission of ARHU-English department. Repeatable to 9 credits if content differs.

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|---|---|---|
| 0101 | Mary Washington | Seats (Total: 25) |
| | MW 11:00am - 12:15pm | TWS 0201 |

**ENGL483** **American English**

**ENGL483 American English; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: LING200 or ENGL280; or permission of ARHU-English department.* Origins and development of the various dialects of English spoken in the United States.

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| 0101 | Linda Coleman | Seats (Total: 25) |
| | TuTh 11:00am - 12:15pm | TWS 0201 |

**ENGL487** **Foundations of Rhetoric**

**ENGL487 Foundations of Rhetoric; (3 credits)** Grade Method: REG/P-F/AUD. *Credit only granted for: ENGL487 or COMM401.* Principles and approaches to the theory, criticism, and historical understanding of rhetorical discourse.

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| 0101 | Vessela Valiavitcharska | Seats (Total: 25) |
| | TuTh 12:30pm - 1:45pm | TWS 0201 |

**ENGL488D** **Topics in Advanced Writing; Writing Studies**

**ENGL488D Topics in Advanced Writing: Writing Studies; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Jane Donawerth | Seats (Total: 25) |
| | MW 12:30pm - 1:45pm | TWS 0214 |

**ENGL488F** **Topics in Advanced Writing; Visual Rhetoric**

**ENGL488F Topics in Advanced Writing: Visual Rhetoric; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Vessela Valiavitcharska<br>TuTh 2:00pm - 3:15pm | Seats (Total: 25)<br>TWS 0201 |

**ENGL489E** **Special Topics in English Language; Language Change**

**ENGL489E Special Topics in English Language: Language Change; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Michael Israel<br>MW 12:30pm - 1:45pm | Seats (Total: 25)<br>TWS 0205 |

**ENGL493** **Advanced Writing Theory and Practice**

**ENGL493 Advanced Writing Theory and Practice; (3 credits)** Grade Method: REG/P-F/AUD.
*Recommended: Satisfactory completion of professional writing requirement. Restriction: Must have earned a minimum of 60 credits.* Traditional and contemporary approaches to rhetoric and writing theory for advanced writing students who wish to develop their abilities to analyze and produce written texts in professional, public, digital, and/or advanced academic contexts.

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| 0101 | Melanie Kill<br>MW 2:00pm - 3:15pm | Seats (Total: 22)<br>TWS 0224 |

**ENGL495** **Independent Study in Honors**

**ENGL495** *(PermReq)* **Independent Study in Honors; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: ENGL373 and ENGL370. Restriction: Must be in English Language and Literature program; and candidacy for honors in English.* Completion and presentation of the senior honors project.

**Contact department for information to register for this course.**

**ENGL498** **Advanced Fiction Workshop; Advanced Fiction Workshop**

**ENGL498** *(PermReq)* **Advanced Fiction Workshop: Advanced Fiction Workshop; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENGL396 or ENGL352; or permission of department. Click here for more course information.

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|---|---|---|
| 0101 | Emily Mitchell<br>Tu 3:30pm - 6:00pm | Seats (Total: 15)<br>TWS 0207 |
| 0201 | Joshua Tyree<br>W 3:30pm - 6:00pm | Seats (Total: 15)<br>SQH 1123 |

**ENGL499** **Advanced Poetry Workshop; Advanced Poetry Workshop**

**ENGL499** *(PermReq)* **Advanced Poetry Workshop: Advanced Poetry Workshop; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENGL397 or ENGL353; or permission of department. Click here for more course information.

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|---|---|---|
| 0101 | Michael Collier<br>Tu 3:30pm - 6:00pm | Seats (Total: 15)<br>TWS 3248 |

**ENGL611** **Approaches to College Composition**

**ENGL611** *(PermReq)* **Approaches to College Composition; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Permission of ARHU-English department. Additional information: Required for graduate assistants (optional to other graduate students).* A seminar emphasizing rhetorical and linguistic foundations for the handling of a course in freshman composition.

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| 0101 | Shirley Logan<br>Tu 3:30pm - 6:00pm | Seats (Total: 18)<br>TWS 3252 |

**ENGL612** **Approaches to Professional and Technical Writing**

**ENGL612** *(PermReq)* **Approaches to Professional and Technical Writing; (3 credits)** Grade Method: REG/AUD.
A pedagogical approach to professional and technical writing, its history and methodolgy.

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| 0101 | Scott Wible<br>Th 6:30pm - 9:00pm | Seats (Total: 15)<br>TWS 3250 |

**ENGL668A** **Readings in Modern Literary Theory; Queer Theory**

**ENGL668A** *(PermReq)* **Readings in Modern Literary Theory: Queer Theory; (3-6 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Marilee Lindemann<br>M 3:30pm - 6:00pm | Seats (Total: 15)<br>TWS 3136 |

**ENGL668K** **Readings in Modern Literary Theory; Critical Topics in Digital Humanities**

**ENGL668K** *(PermReq)* **Readings in Modern Literary Theory: Critical Topics in Digital Humanities; (3-6 credits)** Grade Method: REG/AUD.

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| 0101 | Matthew Kirschenbaum<br>W 6:30pm - 9:00pm | Seats (Total: 15)<br>TWS 3132 |

**ENGL688** **Poetry Workshop; Poetry Workshop**

**ENGL688** *(PermReq)* **Poetry Workshop: Poetry Workshop; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Elizabeth Arnold<br>W 3:30pm - 6:00pm | Seats (Total: 12)<br>TWS 3134 |
| 0201 | Michael Collier<br>W 3:30pm - 6:00pm | Seats (Total: 12)<br>TWS 3136 |

**ENGL689** **Fiction Workshop; Fiction Workshop**

**ENGL689** *(PermReq)* **Fiction Workshop: Fiction Workshop; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Maud Casey<br>W 3:30pm - 6:00pm | Seats (Total: 12)<br>TWS 3250 |

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| 0201 | Emily Mitchell<br>W 3:30pm - 6:00pm | Seats (Total: 12)<br>TWS 3252 |

**ENGL699** **Independent Study**

**ENGL699** *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ENGL708G** **Seminar in Rhetoric; Genre Theory**

**ENGL708G** *(PermReq)* **Seminar in Rhetoric: Genre Theory; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Melanie Kill<br>W 3:30pm - 6:00pm | Seats (Total: 10)<br>TWS 3248 |

**ENGL719D** **Seminar in Renaissance Literature; Earthquakes of the Mind: Disaster and Imagination**

**ENGL719D** *(PermReq)* **Seminar in Renaissance Literature: Earthquakes of the Mind: Disaster and Imagination; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Gerard Passannante<br>Tu 3:30pm - 6:00pm | Seats (Total: 10)<br>TWS 3134 |

**ENGL748E** **Seminar in American Literature; Writing the Apocalypse in Hemispheric American Literatures, 1500-2000**

**ENGL748E** *(PermReq)* **Seminar in American Literature: Writing the Apocalypse in Hemispheric American Literatures, 1500-2000; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Ralph Bauer<br>M 6:30pm - 9:00pm | Seats (Total: 10)<br>TWS 3252 |

**ENGL749B** **Studies in Twentieth-Century Literature; The Spectacle of Violence in African-American Literature**

**ENGL749B** *(PermReq)* **Studies in Twentieth-Century Literature: The Spectacle of Violence in African-American Literature; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Zita Nunes<br>Th 3:30pm - 6:00pm | Seats (Total: 10)<br>TWS 3248 |

**ENGL788** **Studies in Poetic Form; Form and Theory in Poetry**

**ENGL788** *(PermReq)* **Studies in Poetic Form: Form and Theory in Poetry; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Elizabeth Arnold<br>Th 3:30pm - 6:00pm | Seats (Total: 15)<br>TWS 3252 |

**ENGL789** **Form and Theory in Fiction**

**ENGL789** *(PermReq)* **Form and Theory in Fiction; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Maud Casey<br>Th 3:30pm - 6:00pm | Seats (Total: 15)<br>TWS 3136 |

**ENGL798B** **Critical Theory Colloquium**

**ENGL798B** *(PermReq)* **Critical Theory Colloquium; (1 credit)** Grade Method: REG/AUD.

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| 0101 | Orrin Wang<br>TBA | Seats (Total: 15)<br>TWS 3132 |

**ENGL799** **Master's Thesis Research**

**ENGL799** *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ENGL809** **Academic Publishing Workshop**

**ENGL809** *(PermReq)* **Academic Publishing Workshop; (1-2 credits)** Grade Method: S-F.

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| 0101 | Kellie Robertson | Seats (Total: 12) |
| | Contact instructor or department for details. | |

**ENGL878** **Pedagogical Mentoring for Doctoral Students**

**ENGL878** *(PermReq)* **Pedagogical Mentoring for Doctoral Students; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ENGL879** **Professional Mentoring for Doctoral Students**

**ENGL879** *(PermReq)* **Professional Mentoring for Doctoral Students; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ENGL888D** **Practicum in English Studies; Digital Studies Colloquium**

**ENGL888D** *(PermReq)* **Practicum in English Studies: Digital Studies Colloquium; (1 credit)** Grade Method: S-F.
Class meets 6:30-9pm in TWS3248 on the following dates: 2/5, 2/26, 3/26, 4/16, and 4/30.

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|---|---|---|
| 0101 | Kari Kraus | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**ENGL898** **Pre-Candidacy Research**

**ENGL898** *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ENGL899** **Doctoral Dissertation Research**

**ENGL899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

## ENMA Engineering, Materials Spring 2013

**ENMA289A** **Bigger, Faster, Better: The Quest for Absolute Technology**

**ENMA289A Bigger, Faster, Better: The Quest for Absolute Technology; (3 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series. ***This is an "I" Series Course : Issues-Inspiration-Imagination; http://www.iseries.umd.edu/*** Click here for more course information.

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| 0101 | Gottlieb Oehrlein<br>TuTh 12:30pm - 1:45pm<br>F 11:00am - 11:50am | Seats (Total: 30)<br>CHE 2108<br>EGR 1108 | <br><br>Discussion |
| 0102 | Gottlieb Oehrlein<br>TuTh 12:30pm - 1:45pm<br>F 10:00am - 10:50am | Seats (Total: 30)<br>CHE 2108<br>EGR 1108 | <br><br>Discussion |

**ENMA300** **Introduction to Materials Engineering**

**ENMA300** *(PermReq)* **Introduction to Materials Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENES100; and permission of ENGR-Materials Science & Engineering department. Corequisite: MATH241. Recommended: PHYS261 and PHYS260. Also offered as: ENME382. Credit only granted for: ENMA300 or ENME382.* Structure of materials, chemical composition, phase transformations, corrosion and mechanical properties of metals, ceramics, polymers and related materials. Materials selection in engineering applications.

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| 0101 | Mohamad Al-Sheikhly<br>MWF 9:00am - 9:50am<br>M 2:00pm - 2:50pm | Seats (Total: 32)<br>MCB 1207<br>KEB 1135 | <br><br>Lab |
| 0102 | Mohamad Al-Sheikhly<br>MWF 9:00am - 9:50am<br>W 2:00pm - 2:50pm | Seats (Total: 33)<br>MCB 1207<br>KEB 1135 | <br><br>Lab |

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| 0201 | Isabel Lloyd<br>MWF 9:00am - 9:50am<br>M 3:00pm - 3:50pm | Seats (Total: 32)<br>SYM 0200<br>KEB 1135 | <br><br>Lab |
| 0301 | Aristos Christou<br>TuTh 11:00am - 12:15pm<br>Tu 12:30pm - 1:20pm | Seats (Total: 37)<br>KEB 1110<br>KEB 1135 | <br><br>Lab |
| 0302 | Aristos Christou<br>TuTh 11:00am - 12:15pm<br>Th 12:30pm - 1:20pm | Seats (Total: 40)<br>KEB 1110<br>KEB 1135 | <br><br>Lab |

**ENMA301** **Materials for Emerging Technologies**

**ENMA301** *(PermReq)* **Materials for Emerging Technologies; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENMA300; and permission of ENGR-Materials Science & Engineering department.* Five topical areas will be presented, each leading up to specific applications that have recently come to market or are currently experiencing heavy research and development. The goal of each module will be to introduce the basic materials science principles necessary to understand these new areas.

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| 0101 | Oded Rabin<br>TuTh 9:30am - 10:45am | Seats (Total: 40)<br>HBK 0115 | |

**ENMA311** **Materials Laboratory II: Electromagnetic Properties**

**ENMA311 Materials Laboratory II: Electromagnetic Properties; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENMA310 and ENMA460. Restriction: Junior standing or higher.* Characterization of the electromagnetic properties of materials. Laboratories will include measurements of electrical and transport properties, index of refraction, and magnetic properties.

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| 0101 | Luz Martinez-Miranda<br>Tu 8:00am - 9:15am<br>M 9:00am - 11:50am | Seats (Total: 10)<br>KEB 1135<br>KEB 1135 | <br><br>Lab |

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|---|---|---|---|
| 0102 | Luz Martinez-Miranda | Seats (Total: 10) | |
| | Tu 8:00am - 9:15am | KEB 1135 | |
| | W 9:00am - 11:50am | KEB 1135 | Lab |

**ENMA425** **Introduction to Biomaterials**

**ENMA425 Introduction to Biomaterials; (3 credits)** Grade Method: REG/P-F/AUD. *Recommended: ENMA300. Restriction: Permission of ENGR-Materials Science & Engineering department. Also offered as: BIOE453. Credit only granted for: BIOE453, ENMA489W, or ENMA425. Formerly: ENMA489W.* Examination of materials used in humans and other biological systems in terms of the relationships between structure, fundamental properties and functional behavior. Replacement materials such as implants, assistive devices such as insulin pumps and pacemakers, drug delivery systems, biosensors, engineered materials such as artificial skin and bone growth scaffolds, and biocompatibility will be covered.

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| 0101 | Joonil Seog | Seats (Total: 103) |
| | TuTh 11:00am - 12:15pm | CHE 2110 |

**ENMA426** **Reliability of Materials**

**ENMA426** *(PermReq)* **Reliability of Materials; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Permission of ENGR-Materials Science & Engineering department. Credit only granted for: ENMA426 or ENMA489R. Formerly: ENMA489R.* Students are taught the basic degradation mechanisms of materials, through the understanding of the physics, chemistry, mechanics of such mechanisms. Mechanical failure mechanisms concentrate on fatigue, and creep. Chemical failure mechanisms emphasize corrosion and oxidation. Physical mechanisms such as diffusion, electromigration, defects and defect migration, surface trapping mechanisms, charge creation and migration are also included.

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| 0101 | Aristos Christou | Seats (Total: 40) |
| | TuTh 3:30pm - 4:45pm | EGR 3106 |

**ENMA442** **Nanomaterials**

**ENMA442 Nanomaterials; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Permission of ENGR-Materials Science & Engineering department. Credit only granted for: ENMA442 or ENMA489N. Formerly: ENMA489N.* An exploration of materials whose structure places them at the boundary between small objects and large molecules. Having characteristic dimensions in the range of 1-100 nanometers, these materials are difficult to synthesize and characterize but are nevertheless at the forefront of science and technology in many fields. Also, the methods for creating, manipulating and measuring these materials with an emphasis on the current scientific literature will be covered. The novel properties and potential applications will also be addressed.

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| 0101 | John Cumings | Seats (Total: 26) |
| | TuTh 2:00pm - 3:15pm | CHE 2118 |

**ENMA461** **Thermodynamics of Materials**

**ENMA461** *(PermReq)* **Thermodynamics of Materials; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENMA300. Restriction: Junior standing or higher.* Thermodynamic aspects of materials; basic concepts and their application in design and processing of materials and systems. Topics include: energy, entropy, adiabatic and isothermal processes, internal and free energy, heat capacity, phase equilibria and surfaces and interfaces.

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| 0101 | Timothy Foecke | Seats (Total: 25) |
| | TuTh 11:00am - 12:15pm | EGR 3102 |

**ENMA464** **Environmental Effects on Engineering Materials**

**ENMA464 Environmental Effects on Engineering Materials; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENMA300. Or permission of ENGR-Materials Science & Engineering department; and permission of instructor.* Introduction to the phenomena associated with the resistance of materials to damage under severe environmental conditions. Oxidation, corrosion, stress corrosion, corrosion fatigue and radiation damage are examined from the point of view of mechanism and influence on the properties of materials. Methods of corrosion protection and criteria for selection of materials for use in radiation environments.

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| 0101 | Sreeramamurthy Ankem | Seats (Total: 15) |
| | MW 3:30pm - 4:45pm | CHE 2145 |

**ENMA465** **Microprocessing Materials**

**ENMA465** *(PermReq)* **Microprocessing Materials; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENMA300. Restriction: Permission of ENGR-Materials Science & Engineering department. Credit only granted for: ENMA363, ENMA489B, or ENMA465. Formerly: ENMA363.* Micro and nanoscale processing of materials. Emphasis on thin film processing for advanced technologies.

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| 0101 | Ichiro Takeuchi, Gary Rubloff | Seats (Total: 25) |
| | TuTh 12:30pm - 1:45pm | EGR 2116 |

**ENMA489C** **Selected Topics in Engineering Materials; Advanced Fuel Cells and Batteries**

**ENMA489C Selected Topics in Engineering Materials: Advanced Fuel Cells and Batteries; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Chunsheng Wang | Seats (Total: 5) |
| | TuTh 3:30pm - 4:45pm | JMP 3201 |

**ENMA489I** **Selected Topics in Engineering Materials; Materials for Energy II**

**ENMA489I Selected Topics in Engineering Materials: Materials for Energy II; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Liangbing Hu | Seats (Total: 20) |
| | TuTh 9:30am - 10:45am | EGR 1110 |

**ENMA489Q** **Selected Topics in Engineering Materials; Photovoltaics: Solar Energy**

**ENMA489Q Selected Topics in Engineering Materials: Photovoltaics: Solar Energy; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Raymond Adomaitis | Seats (Total: 5) |
| | MW 4:00pm - 5:15pm | JMP 2121 |

**ENMA490** **Materials Design**

**ENMA490 Materials Design; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Senior standing.* Capstone design course. Students work in teams on projects evaluating a society or industry based materials problem and then design and evaluate a strategy to minimize or eliminate the problem; includes written and oral presentations.

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| 0101 | Raymond Phaneuf | Seats (Total: 28) |
| | MW 12:00pm - 2:50pm | EGR 0312 |

**ENMA499** **Senior Laboratory Project**

**ENMA499** *(PermReq)* **Senior Laboratory Project; (1-3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Luz Martinez-Miranda | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**ENMA620** **Polymer Physics**

**ENMA620 Polymer Physics; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ENMA471; or permission of instructor.* The thermodynamics, structure, morphology and properties of polymers. Developing an understanding of the relationships between theory and observed behavior in polymeric materials.

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| 0101 | Robert Briber | Seats (Total: 25) |
| | MW 5:00pm - 6:15pm | CHE 2145 |

**ENMA625** **Biomaterials**

**ENMA625 Biomaterials; (3 credits)** Grade Method: REG/AUD.
*Restriction: Permission of ENGR-Materials Science & Engineering department. Credit only granted for: ENMA425, ENMA698I, BIOE698I, or ENBE453. Formerly: ENMA698I.* Examination of materials used in humans and other biological systems in terms of the relationships between structure, fundamental properties and functional behavior. Replacement materials such as implants, assistive devices such as insulin pumps and pacemakers, drug delivery systems, biosensors, engineered materials such as artificial skin and bone growth scaffolds, and biocompatibility will be covered.

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| 0101 | Joonil Seog | Seats (Total: 10) |
| | TuTh 11:00am - 12:15pm | CHE 2110 |

**ENMA642** **Current Trends in Nanomaterials**

**ENMA642 Current Trends in Nanomaterials; (3 credits)** Grade Method: REG/AUD. *Credit only granted for: ENMA642 or ENMA698N. Formerly: ENMA698N.* Presents a historical and contemporary perspective of the trends of development of nanomaterials. Having characteristic dimensions in the range of 1-100 nanometers, these materials are difficult to synthesize a nd characterize but are nevertheless at the forefront of science and tec hnology in many fields. Through detailed analysis of the current literat ure, all students will develop a sense for not only where the science an d technology has come but also where it is going.

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| 0101 | John Cumings | Seats (Total: 10) |
| | TuTh 2:00pm - 3:15pm | CHE 2118 |

**ENMA661** **Kinetics of Reactions in Materials**

**ENMA661 Kinetics of Reactions in Materials; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ENMA660.* The theory of thermally activated processes in solids as applied to diffusion, nucleation and interface motion. Cooperative and diffusionless transformations. Applications selected from processes such as allotropic transformations, precipitation, martensite formation, solidification, ordering, and corrosion.

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| 0101 | Manfred Wuttig | Seats (Total: 25) |
| | TuTh 3:30pm - 4:45pm | CHE 2136 |

**ENMA671** **Defects in Materials**

**ENMA671** *(PermReq)* **Defects in Materials; (3 credits)** Grade Method: REG/AUD. *Restriction: Permission of ENGR-Materials Science & Engineering department.* Fundamental aspects of point (electronic and atomic) defects, dislocations, and surfaces and interfaces in materials. Defect interactions, defect models, and effects of zero, one and two dimensional defects on material behavior.

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| 0101 | Lourdes Salamanca-Riba<br>MW 3:30pm - 4:45pm | Seats (Total: 25)<br>EGR 1102 |

**ENMA683** **Structural Determination Laboratory**

**ENMA683 Structural Determination Laboratory; (1 credit)** Grade Method: REG/AUD.
*Restriction: Permission of ENGR-Materials Science & Engineering department. Credit only granted for: ENMA698L or ENMA683. Formerly: ENMA698L.* The operation of an electron microscope is covered. TEM techniques that are used to characterize the structure, defects and composition of a sample are presented and used to study a variety of materials. These techniques are: electron diffraction patterns, bright/dark field imaging, high resolution lattic imaging and energy dispersive x-ray spectroscopy. Also covers different sample preparation techniques for TEM. The goal is that the students become independent users of the TEM.

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| 0101 | Wen-An Chiou<br>W 9:00am - 11:00am | Seats (Total: 6)<br>KEB 1237 |

**ENMA688** **Seminar in Materials Science and Engineering**

**ENMA688 Seminar in Materials Science and Engineering; (1 credit)** Grade Method: REG/AUD.

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| 0101 | Liangbing Hu, Sreeramamurthy Ankem<br>F 1:00pm - 2:30pm | Seats (Total: 28)<br>CHE 2110 |

**ENMA698** **Special Problems in Materials Science and Engineering**

**ENMA698** *(PermReq)* **Special Problems in Materials Science and Engineering; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ENMA698W** **Special Problems in Materials Science and Engineering; Solid State Ionics**

**ENMA698W Special Problems in Materials Science and Engineering: Solid State Ionics; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Eric Wachsman | Seats (Total: 20) |
| | TuTh 11:00am - 12:15pm | EGR 1110 |

**ENMA797** **Independent Study**

**ENMA797 Independent Study; (3 credits)** Grade Method: REG/AUD.
This course is designed to provide students with a directed independent study course in order to prepare the scholarly paper required for the master's degree without thesis degree option.

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| 0101 | Manfred Wuttig | Seats (Total: 5) |
| | Contact instructor or department for details. | |

**ENMA799** **Master's Thesis Research**

**ENMA799 Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ENMA898** **Pre-Candidacy Research**

**ENMA898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ENMA899** **Doctoral Dissertation Research**

**ENMA899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

## ENME Engineering, Mechanical Spring 2013

**ENME201** **Careers in Mechanical Engineering**

**ENME201 Careers in Mechanical Engineering; (1 credit)** Grade Method: S-F.
The Mechanical Engineering Curriculum, Career Paths. Research areas in the Mechanical Engineering Department. The Mechanical Engineering Profession.

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| 0101 | Kenneth Kiger<br>Th 12:30pm - 1:30pm | Seats (Total: 45)<br>KEB 1110 | |

**ENME242** **Building Products that Last - Failure is NOT an Option!**

**ENME242 Building Products that Last - Failure is NOT an Option!; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.
Have you ever wondered why airplanes crash or bridges collapse? Or even why your car is always in the shop or your computer screen goes blank? This course will let you in on the secret of why engineered products and structures fail and how designers are changing how they work to make products with higher reliability and longer life-spans. Even more, it will make you think about the many consequences that arise from failure ranging from direct replacement cost and legal liability to environmental impact and even changes in government policies and regulation

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|---|---|---|---|
| 0101 | Patrick McCluskey<br>TuTh 2:00pm - 3:15pm<br>W 2:00pm - 2:50pm | Seats (Total: 50)<br>CSS 2428<br>PHY 1204 | <br><br>Discussion |

**ENME271** **Introduction to Matlab**

**ENME271** *(PermReq)* **Introduction to Matlab; (3 credits)** Grade Method: REG. *Prerequisite: ENES221.* Develop the skills to generate readable, compact and verifiably correct MATLAB scripts and functions to obtain numerical solutions to a wide range of engineering models and to display the results with fully annotated graphics. Learn structured programming.

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| 0101 | Christopher Chabalko<br>MW 12:00pm - 12:50pm<br>M 1:00pm - 2:50pm | Seats (Total: 42)<br>BPS 1243<br>KEB 2111 | <br><br>Lab |
| 0102 | Christopher Chabalko<br>MW 12:00pm - 12:50pm<br>Tu 3:30pm - 5:20pm | Seats (Total: 42)<br>BPS 1243<br>KEB 2111 | <br><br>Lab |
| 0104 | Christopher Chabalko<br>MW 12:00pm - 12:50pm<br>W 3:30pm - 5:20pm | Seats (Total: 30)<br>BPS 1243<br>EGR 0312 | <br><br>Lab |

**ENME272** **Introduction to Computer Aided Design**

**ENME272** *(PermReq)* **Introduction to Computer Aided Design; (2 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENES100 and MATH141. Restriction: Permission of ENGR-Mechanical Engineering department. Credit only granted for: ENME 414 or ENME272.*
Fundamentals of CAD, using solid modeling packages (Pro/E, SolidWorks, and Autodesk Inventor). Two and three dimensional drawing. Dimensioning and specifications. Introduction of CAD based analysis tools. Students will complete a design project.

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|---|---|---|---|
| 0101 | Guangming Zhang<br>M 8:00am - 9:50am | Seats (Total: 42)<br>KEB 2111 | |
| 0201 | Guangming Zhang<br>W 8:00am - 9:50am | Seats (Total: 42)<br>KEB 2111 | |
| 0301 | Guangming Zhang<br>F 8:00am - 9:50am | Seats (Total: 42)<br>KEB 2111 | |

**ENME331** **Fluid Mechanics**

**ENME331** *(PermReq)* **Fluid Mechanics; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENES232 and ENES221. Also offered as: BIOE331. Credit only granted for: BIOE331 or ENME331.* Principles of fluid mechanics. Mass, momentum and energy conservation. Hydrostatics. Control volume analysis. Internal and external flow. Boundary layers. Modern measurement techniques. Computer analysis. Laboratory experiments.

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| 0101 | Kenneth Kiger, Marino diMarzo, Nils Tilton<br>MW 12:00pm - 12:50pm<br>F 1:00pm - 2:50pm | Seats (Total: 30)<br>EGR 1202<br>KEB 1200 | <br><br>Lab |
| 0102 | Kenneth Kiger, Marino diMarzo, Nils Tilton<br>MW 12:00pm - 12:50pm<br>W 1:00pm - 2:50pm | Seats (Total: 30)<br>EGR 1202<br>KEB 1200 | <br><br>Lab |
| 0103 | Nils Tilton, Marino diMarzo, Kenneth Kiger<br>MW 12:00pm - 12:50pm<br>Th 1:00pm - 2:50pm | Seats (Total: 30)<br>EGR 1202<br>KEB 1200 | <br><br>Lab |

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| 0104 | Kenneth Kiger, Nils Tilton, Marino diMarzo<br>MW 12:00pm - 12:50pm<br>W 3:00pm - 4:50pm | Seats (Total: 30)<br>EGR 1202<br>JMP 2202 | <br><br>Lab |

**ENME332** **Transfer Processes**

**ENME332** *(PermReq)* **Transfer Processes; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENME331.* The principles of heat transfer. Conduction in solids. Convection. Radiation. Modern measurement techniques. Computer analysis.

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| 0101 | K Radermacher, Bao Yang<br>MW 9:00am - 9:50am<br>Tu 1:00pm - 2:50pm | Seats (Total: 35)<br>EGR 1202<br>PHY 1204 | <br><br>Lab |
| 0102 | K Radermacher, Bao Yang<br>MW 9:00am - 9:50am<br>W 1:00pm - 2:50pm | Seats (Total: 35)<br>EGR 1202<br>EGR 0108 | <br><br>Lab |
| 0103 | K Radermacher, Bao Yang<br>MW 9:00am - 9:50am<br>Th 1:00pm - 2:50pm | Seats (Total: 35)<br>EGR 1202<br>CHE 2136 | <br><br>Lab |
| 0104 | Bao Yang, K Radermacher<br>MW 9:00am - 9:50am<br>M 1:00pm - 2:50pm | Seats (Total: 35)<br>EGR 1202<br>JMP 1202 | <br><br>Lab |
| 0105 | K Radermacher, Bao Yang<br>MW 9:00am - 9:50am<br>W 3:00pm - 4:50pm | Seats (Total: 35)<br>EGR 1202<br>PHY 1204 | <br><br>Lab |

**ENME350** **Electronics and Instrumentation I**

**ENME350** *(PermReq)* **Electronics and Instrumentation I; (3 credits)** Grade Method: REG.
*Prerequisite: PHYS271 and PHYS270. Credit only granted for: ENME252 or ENME350. Formerly: ENME252.* Modern instrumentation. Basic circuit design, standard microelectronic circuits. Digital data acquisition and control. Signal conditioning. Instrumentation interfacing. Designing and testing of analog circuits. Laboratory experiments.

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| 0101 | Xinan Liu, Jungho Kim<br>MW 8:00am - 8:50am<br>M 1:00pm - 2:50pm | Seats (Total: 27)<br>CHE 2110<br>EGR 0126 | Lab |
| 0102 | Jungho Kim, Xinan Liu<br>MW 8:00am - 8:50am<br>Tu 3:30pm - 5:20pm | Seats (Total: 24)<br>CHE 2110<br>EGR 0126 | Lab |
| 0103 | Xinan Liu, Jungho Kim<br>MW 8:00am - 8:50am<br>W 3:30pm - 5:20pm | Seats (Total: 24)<br>CHE 2110<br>EGR 0126 | Lab |
| 0104 | Xinan Liu, Jungho Kim<br>MW 8:00am - 8:50am<br>F 10:00am - 11:50am | Seats (Total: 27)<br>CHE 2110<br>EGR 0126 | Lab |

**ENME351** **Electronics and Instrumentation II**

**ENME351** *(PermReq)* **Electronics and Instrumentation II; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PHYS271, ENME350, and PHYS270.* Continuation of ENME 350. Modern instrumentation. Basic circuit design, standard microelectronic circuits. Digital data acquisition and control. Signal conditioning. Instrumentation interfacing. Designing and testing of analog circuits. Laboratory experiments.

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| 0101 | Elisabeth Smela, Sarah Bergbreiter, Mona Mirzaeimoghri<br>MW 10:00am - 10:50am<br>M 3:30pm - 5:20pm | Seats (Total: 24)<br>EGR 1202<br>EGR 0126 | Lab |
| 0102 | Mona Mirzaeimoghri, Sarah Bergbreiter, Elisabeth Smela<br>MW 10:00am - 10:50am<br>Tu 1:00pm - 2:50pm | Seats (Total: 24)<br>EGR 1202<br>EGR 0126 | Lab |
| 0103 | Elisabeth Smela, Sarah Bergbreiter, Mona Mirzaeimoghri<br>MW 10:00am - 10:50am<br>W 1:00pm - 2:50pm | Seats (Total: 24)<br>EGR 1202<br>EGR 0126 | Lab |

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| 0104 | Sarah Bergbreiter, Mona Mirzaeimoghri, Elisabeth Smela<br>MW 10:00am - 10:50am<br>Th 1:00pm - 2:50pm | Seats (Total: 24)<br>EGR 1202<br>EGR 0126 | <br><br>Lab |
| 0105 | Sarah Bergbreiter, Mona Mirzaeimoghri, Elisabeth Smela<br>MW 10:00am - 10:50am<br>Th 3:30pm - 5:20pm | Seats (Total: 24)<br>EGR 1202<br>EGR 0126 | <br><br>Lab |
| 0106 | Mona Mirzaeimoghri, Sarah Bergbreiter, Elisabeth Smela<br>MW 10:00am - 10:50am<br>F 1:00pm - 2:50pm | Seats (Total: 24)<br>EGR 1202<br>EGR 0126 | <br><br>Lab |
| 0107 | Mona Mirzaeimoghri, Sarah Bergbreiter, Elisabeth Smela<br>MW 10:00am - 10:50am<br>Th 6:00pm - 7:50pm | Seats (Total: 24)<br>EGR 1202<br>EGR 0126 | <br><br>Lab |

**ENME361** **Vibration, Controls and Optimization I**

**ENME361** *(PermReq)* **Vibration, Controls and Optimization I; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENES220, ENES221, and MATH246; and (ENME271 or MATH206). Restriction: Must be in Engineering: Mechanical program.* Fundamentals of vibration, controls and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical description of system response, system stability, control and optimization. Optimal design of mechanical systems.

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| 0101 | Miao Yu, Santiago Solares<br>TuTh 9:30am - 10:45am | Seats (Total: 120)<br>JMP 3201 | |
| 0301 | Santiago Solares, Miao Yu<br>TuTh 9:30am - 10:45am | Seats (Total: 50)<br>JMP 2121 | |

**ENME371** **Product Engineering and Manufacturing**

**ENME371** *(PermReq)* **Product Engineering and Manufacturing; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENES221; and (ENME392 or STAT400). Restriction: Must be in Engineering: Mechanical program.* Business aspects of engineering product development. Relationship of design and manufacturing. Product specification. Statistical process control. Design team development. The development process.

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| 0201 | Chandrasekhar Thamire<br>MW 11:00am - 11:50am<br>W 4:00pm - 5:50pm | Seats (Total: 30)<br>EGR 1202<br>EGL 0101 | <br><br>Lab |
| 0202 | Chandrasekhar Thamire<br>MW 11:00am - 11:50am<br>Th 3:00pm - 4:50pm | Seats (Total: 30)<br>EGR 1202<br>EGL 0101 | <br><br>Lab |
| 0203 | Chandrasekhar Thamire<br>MW 11:00am - 11:50am<br>F 9:00am - 10:50am | Seats (Total: 30)<br>EGR 1202<br>EGL 0101 | <br><br>Lab |
| 0204 | Chandrasekhar Thamire<br>MW 11:00am - 11:50am<br>Th 5:00pm - 6:50pm | Seats (Total: 30)<br>EGR 1202<br>EGL 0101 | <br><br>Lab |
| 0205 | Chandrasekhar Thamire<br>MW 11:00am - 11:50am<br>Th 7:00pm - 8:50pm | Seats (Total: 30)<br>EGR 1202<br>EGL 0101 | <br><br>Lab |

**ENME382** **Introduction to Materials Engineering**

**ENME382** *(PermReq)* **Introduction to Materials Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENES100; and permission of ENGR-Mechanical Engineering department. Corequisite: MATH241. Recommended: PHYS261 and PHYS260. Also offered as: ENMA300. Credit only granted for: ENMA300 or ENME382.* Structure of materials, chemical composition, phase transformations, corrosion and mechanical properties of metals, ceramics, polymers and related materials. Materials selection in engineering applications.

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| 0101 | Mohamad Al-Sheikhly<br>MWF 9:00am - 9:50am<br>M 2:00pm - 2:50pm | Seats (Total: 32)<br>MCB 1207<br>KEB 1135 | <br><br>Lab |
| 0102 | Mohamad Al-Sheikhly<br>MWF 9:00am - 9:50am<br>W 2:00pm - 2:50pm | Seats (Total: 33)<br>MCB 1207<br>KEB 1135 | <br><br>Lab |
| 0201 | Isabel Lloyd<br>MWF 9:00am - 9:50am<br>M 3:00pm - 3:50pm | Seats (Total: 32)<br>SYM 0200<br>KEB 1135 | <br><br>Lab |
| 0301 | Aristos Christou<br>TuTh 11:00am - 12:15pm<br>Tu 12:30pm - 1:20pm | Seats (Total: 37)<br>KEB 1110<br>KEB 1135 | <br><br>Lab |
| 0302 | Aristos Christou<br>TuTh 11:00am - 12:15pm<br>Th 12:30pm - 1:20pm | Seats (Total: 40)<br>KEB 1110<br>KEB 1135 | <br><br>Lab |

**ENME392** **Statistical Methods for Product and Processes Development**

**ENME392** *(PermReq)* **Statistical Methods for Product and Processes Development; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: MATH241.* Integrated statistical methodology for the improvement of products and processes in terms of performance, quality and cost. Designed experimentation. Statistical process control. Software application. Laboratory activities.

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| 0101 | Johan Larsson<br>TuTh 11:00am - 12:15pm | Seats (Total: 120)<br>JMP 3201 |

**ENME400** **Machine Design**

**ENME400 Machine Design; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Senior standing.* Working stresses, stress concentration, stress analysis and repeated loadings. Design of machine elements. Kinematics of mechanisms.

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| 0101 | Zelalem Eshete<br>MW 9:00am - 9:50am<br>W 2:00pm - 3:50pm | Seats (Total: 30)<br>EGR 2154<br>EGL 0101 | <br><br>Discussion |

**ENME408** **Selected Topics in Engineering Design; Automotive Design**

**ENME408** *(PermReq)* **Selected Topics in Engineering Design: Automotive Design; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Gregory Schultz<br>MW 5:00pm - 6:15pm | Seats (Total: 35)<br>JMP 2202 |

**ENME410** **Design Optimization**

**ENME410 Design Optimization; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: ENME271; or MATH206. Restriction: Permission of ENGR-Mechanical Engineering department; and junior or senior standing.* Introduction to the formal process of design optimization, including analytical and computational methods. Step by step design optimization techniques. Design optimization concepts, necessary and sufficient optimality conditions and solution techniques. Solution evaluation and tradeoff exploration.

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| 0101 | Shapour Azarm<br>TuTh 2:00pm - 3:15pm | Seats (Total: 20)<br>EGR 0135 |

**ENME431** **Nuclear Reactor Systems and Safety**

**ENME431** *(PermReq)* **Nuclear Reactor Systems and Safety; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENME430 and MATH246. Restriction: Permission of ENGR-Mechanical Engineering department. Also offered as: ENNU465. Credit only granted for: ENNU465 and ENME431.* Engineering, material and thermal aspects of light water reactors, fast reactors, high temperature gas reactors, heavy water moderated reactors, breeder reactors, advanced reactors including GEN IV designs. Evolution of light water reactor safety and regulation in the US that has culminated in the current body of regulations.

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| 0101 | Robert Sanders<br>MW 2:00pm - 3:15pm | Seats (Total: 20)<br>JMP 2121 |

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| NE01 | Robert Sanders | Seats (Total: 10) |
| | Class time/details on ELMs | ONLINE |

**ENME442** **Information Security**

**ENME442** *(PermReq)* **Information Security; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Must have Senior standing in engineering; and permission of ENGR-Mechanical Engineering department. Also offered as: ENRE684. Credit only granted for: ENRE648J, ENME442, ENRE684, or ENPM808E.* The materials presented are divided into three major components: overview, detailed concepts and implementation techniques. The topics to be covered are: general security concerns and concepts from both a technical and management point of view, principles of security, architectures, access control and multi-level security, trojan horses, covert channels, trap doors, hardware security mechanism, security models, security kernels, formal specifications and verification, networks and distribution systems and risk analysis.

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| 0101 | Michel Cukier | Seats (Total: 25) |
| | TuTh 2:00pm - 3:15pm | JMP 2222 |

**ENME461** **Control Systems Laboratory**

**ENME461** *(PermReq)* **Control Systems Laboratory; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENME351 and ENME361. Restriction: Permission of ENGR-Mechanical Engineering department. Credit only granted for: ENEE461, ENME461, or ENME489N. Formerly: ENME489N.* Students will design, implement, and test controllers for a variety of systems. This will enhance their understanding of feedback control familiarize them with the characteristics and limitations of real control devices. Students will also complete a small project. This will entail writing a proposal, purchasing parts for their controller, building the system, testing it, and writing a final report describing what they have done. Also offered as ENEE461.

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| 0101 | William Levine | Seats (Total: 14) | |
| | MW 9:00am - 9:50am | ANS 0408 | |
| | M 2:00pm - 5:00pm | KEB 3209 | Lab |

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| 0102 | William Levine<br>MW 9:00am - 9:50am<br>W 2:00pm - 5:00pm | Seats (Total: 14)<br>ANS 0408<br>KEB 3209 | <br><br>Lab |
| 0103 | William Levine<br>MW 9:00am - 9:50am<br>F 9:00am - 12:00pm | Seats (Total: 14)<br>ANS 0408<br>KEB 3209 | <br><br>Lab |
| 0104 | William Levine<br>MW 9:00am - 9:50am<br>W 11:00am - 2:00pm | Seats (Total: 14)<br>ANS 0408<br>KEB 3209 | <br><br>Lab |

**ENME462** **Vibrations, Controls, and Optimization II**

**ENME462** *(PermReq)* **Vibrations, Controls, and Optimization II; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENME351 and ENME361. Formerly: ENME362.* Continuation of ENME 361. Fundamentals of vibration, controls, and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical descriptions of system response, system stability, control and optimization. Optimal design of mechanical systems.

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| 0101 | Jin-Oh Hahn<br>MW 10:00am - 10:50am<br>F 10:00am - 11:50am | Seats (Total: 65)<br>JMP 3201<br>PLS 1140 | <br><br>Discussion |
| 0102 | Jin-Oh Hahn<br>MW 10:00am - 10:50am<br>Th 1:00pm - 2:50pm | Seats (Total: 45)<br>JMP 3201<br>EGR 1108 | <br><br>Discussion |

**ENME464** **Cost Analysis for Engineers**

**ENME464** *(PermReq)* **Cost Analysis for Engineers; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENME392; or students who have taken courses with comparable content may contact the department. Restriction: Permission of ENGR-Mechanical Engineering department.* An introduction to the financial and cost analysis aspects of product engineering. Introduces key elements of traditional engineering economics including interest, present worth, depreciation, taxes, inflation, financial statement analysis, and return on investment. Provides an introduction to cost modeling as it applies to product manufacturing and support. Cost modeling topics will include: manufacturing cost analysis, life-cycle cost modeling (reliability and warranty), and cost of ownership.

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| 0101 | Peter Sandborn | Seats (Total: 60) |
| | TuTh 9:30am - 10:45am | LEF 2166 |

**ENME466** **Lean Six Sigma**

**ENME466** *(PermReq)* **Lean Six Sigma; (3 credits)** Grade Method: REG.
*Prerequisite: ENME392, BMGT230, or STAT400; or students who have taken courses with comparable content may contact the department. Credit only granted for: ENME466 or ENME489B. Formerly: ENME489B.* This course intends to provide in-depth understanding of Lean Six Sigma and its Define - Mearsure - Analyze - Improve - Control (DMAIC) Breakthrough Improvement Strategy. The emphasis is placed on the DMAIC process which is reinforced via application of semester long corporate projects and case study analysis.

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| 0101 | David Bigio | Seats (Total: 40) |
| | TuTh 3:30pm - 4:45pm | EGR 0110 |

**ENME470** **Finite Element Analysis**

**ENME470** *(PermReq)* **Finite Element Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Senior standing; and permission of ENGR-Mechanical Engineering department.* Basic concepts of the theory of the finite element method. Applications in solid mechanics and heat transfer.

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| 0101 | Guangming Zhang | Seats (Total: 42) |
| | MWF 12:00pm - 12:50pm | KEB 2111 |

**ENME472** **Integrated Product and Process Development**

**ENME472** *(PermReq)* **Integrated Product and Process Development; (3 credits)**
Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
*Prerequisite: ENME371.* Integration of product development with the development process. Design strategies. Product architecture. Design for manufacturing. Selection of materials. Design for assembly.

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| 0101 | Linda Schmidt, Gary Pertmer, Vincent Nguyen, Jaydev Desai<br>TuTh 11:00am - 11:50am<br>Tu 12:00pm - 1:50pm | Seats (Total: 30)<br>EGR 1202<br>Location: TBA | Discussion |
| 0102 | Jaydev Desai, Linda Schmidt, Vincent Nguyen, Gary Pertmer<br>TuTh 11:00am - 11:50am<br>F 1:00pm - 2:50pm | Seats (Total: 30)<br>EGR 1202<br>EGL 0101 | Discussion |
| 0103 | Linda Schmidt, Gary Pertmer, Jaydev Desai, Vincent Nguyen<br>TuTh 11:00am - 11:50am<br>Th 12:00pm - 1:50pm | Seats (Total: 30)<br>EGR 1202<br>EGL 0101 | Discussion |
| 0104 | Gary Pertmer, Vincent Nguyen, Jaydev Desai, Linda Schmidt<br>TuTh 11:00am - 11:50am<br>F 11:00am - 12:50pm | Seats (Total: 30)<br>EGR 1202<br>EGL 0101 | Discussion |
| 0106 | Linda Schmidt, Jaydev Desai, Gary Pertmer, Vincent Nguyen<br>TuTh 11:00am - 11:50am<br>W 6:00pm - 7:50pm | Seats (Total: 30)<br>EGR 1202<br>EGL 0101 | Discussion |

**ENME481** **Lab-on-a-Chip Microsystems**

**ENME481** *(PermReq)* **Lab-on-a-Chip Microsystems; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Senior standing; and permission of ENGR-Mechanical Engineering department. Credit only granted for: ENME489E, ENME808E. Formerly: ENME489E.*
Fundamentals and application of lab-on-a-chip and microfluidic technologies. A broad view of the field of microfluidics, knowledge of relevant fabrication methods and analysis techniques, and an understanding of the coupled multi-domain phenomena that dominate the physics in these systems.

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| 0101 | Don DeVoe<br>MW 3:30pm - 4:45pm | Seats (Total: 20)<br>JMP 1202 |

**ENME488** **Special Problems**

**ENME488** *(PermReq)* **Special Problems; (3 credits)** Grade Method: REG/P-F/AUD.
Individual Instruction course: contact department or instructor to obtain section number.
Limited to mechanical engineering seniors.

**Contact department for information to register for this course.**

**ENME489** **Special Topics in Mechanical Engineering**

**ENME489** *(PermReq)* **Special Topics in Mechanical Engineering; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ENME489D** **Special Topics in Mechanical Engineering; Flight Dynamics and Simulation**
**Contact department for information to register for this course.**

**ENME489E** **Special Topics in Mechanical Engineering; Design for Sustainability**

**ENME489E** *(PermReq)* **Special Topics in Mechanical Engineering: Design for Sustainability; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Senthil Arul<br>M 5:00pm - 7:40pm | Seats (Total: 45)<br>EGR 1108 |

**ENME489I** **Special Topics in Mechanical Engineering; Computational Fluid Mechanics**

**ENME489I** *(PermReq)* **Special Topics in Mechanical Engineering: Computational Fluid Mechanics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES221, ENME271, ENME331, and permission of department.

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| 0101 | Peter Bernard | Seats (Total: 25) |
| | TuTh 5:00pm - 6:15pm | EGR 0135 |

**ENME489K** **Special Topics in Mechanical Engineering; Renewable Energy**

**ENME489K** *(PermReq)* **Special Topics in Mechanical Engineering: Renewable Energy; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES232 and ENME331.

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| 0101 | Michael Ohadi | Seats (Total: 50) |
| | TuTh 9:30am - 10:45am | CHE 2118 |

**ENME489M** **Special Topics in Mechanical Engineering; Ultra-low Energy Use Appliance Design I**

**ENME489M** *(PermReq)* **Special Topics in Mechanical Engineering: Ultra-low Energy Use Appliance Design I; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Yunho Hwang | Seats (Total: 13) |
| | TuTh 2:00pm - 3:15pm | EGR 3102 |

**ENME489P** **Special Topics in Mechanical Engineering; Internal Combustion Engines**

**ENME489P** *(PermReq)* **Special Topics in Mechanical Engineering: Internal Combustion Engines; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENES232, ENME331, and permission of department. Co-requisite: ENME332.

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| 0101 | Leonard Hamilton | Seats (Total: 35) |
| | Tu 5:00pm - 7:40pm | JMP 3201 |

**ENME489Q** **Special Topics in Mechanical Engineering; Managing for Innovation and Quality**

**ENME489Q** *(PermReq)* **Special Topics in Mechanical Engineering: Managing for Innovation and Quality; (3 credits)** Grade Method: REG/P-F/AUD.
Department permission required.

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| 0101 | George Dieter<br>TuTh 2:00pm - 3:15pm | Seats (Total: 30)<br>EGR 0110 |

**ENME489T** **Special Topics in Mechanical Engineering; Nuclear Reactor Design**

**ENME489T** *(PermReq)* **Special Topics in Mechanical Engineering: Nuclear Reactor Design; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENME430 and MATH246.

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|---|---|---|
| 0101 | Robert Sanders<br>MW 11:00am - 12:15pm | Seats (Total: 20)<br>JMP 2121 |
| NE01 | Robert Sanders<br>Class time/details on ELMs | Seats (Total: 10)<br>ONLINE |

**ENME489W** **Special Topics in Mechanical Engineering; Pollution and Waste Technology**

**ENME489W** *(PermReq)* **Special Topics in Mechanical Engineering: Pollution and Waste Technology; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Ashwani Gupta<br>Th 4:00pm - 6:40pm | Seats (Total: 47)<br>PHY 1201 |

**ENME489Z** **Special Topics in Mechanical Engineering; Advanced Strength of Materials**

**ENME489Z** *(PermReq)* **Special Topics in Mechanical Engineering: Advanced Strength of Materials; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of department.

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| 0101 | Hugh Bruck<br>MW 2:00pm - 3:15pm | Seats (Total: 30)<br>EGR 0135 |

**ENME605** **Advanced Systems Control**

**ENME605 Advanced Systems Control; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ENME462; or permission of instructor.* Modern control theory for both continuous and discrete systems. State space representation is reviewed and the concepts of controllability and observability are discussed. Design methods of deterministic observers are presented and optimal control theory is formulated. Control techniques for modifying system characteristics are discussed.

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| 0101 | Nikhil Chopra | Seats (Total: 20) |
| | MW 2:00pm - 3:15pm | CHM 0119 |

**ENME607** **Engineering Decision Making**

**ENME607 Engineering Decision Making; (3 credits)** Grade Method: REG/AUD.
*Also offered as: ENRE671. Credit only granted for: ENME808X, ENRE 671 or ENME 607. Formerly: ENME 808X.* Individual decision-making, group decisionmaking, and organizations of decision-makers in the context of engineering design, project management, and other functions. Techniques for making better decisions, for understanding how decisions are related to each other, and for managing risk.

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| 0101 | Jeffrey Herrmann | Seats (Total: 20) |
| | TuTh 2:00pm - 3:15pm | JMP 2216 |

**ENME632** **Advanced Convection Heat Transfer**

**ENME632 Advanced Convection Heat Transfer; (3 credits)** Grade Method: REG/AUD.
*Credit only granted for: ENNU615 or ENME632.* Statement of conservation of mass, momentum and energy. Laminar and turbulent heat transfer in ducts, separated flows, and natural convection. Heat and mass transfer in laminar boundary layers. Nucleate boiling, film boiling, Leidenfrost transition and critical heat flux. Interfacial phase change processes; evaporation, condensation, industrial applications such as cooling towers, condensers. Heat exchangers design.

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| 0101 | Peter Bernard | Seats (Total: 25) |
| | TuTh 3:30pm - 4:45pm | EGR 2116 |

**ENME635** **Energy Systems Analysis**

**ENME635 Energy Systems Analysis; (3 credits)** Grade Method: REG/AUD.
Rankine cycles with nonazeotropic working fluid mixtures, two-, multi- and variable-stage absorption cycles and vapor compression cycles with solution circuits. Power generation cycles with working fluid mixtures. Development of rules for finding all possible cycles suiting a given application or the selection of the best alternatives.

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| 0101 | Yunho Hwang | Seats (Total: 25) |
| | MW 3:30pm - 4:45pm | EGR 3102 |

**ENME646** **Computational Fluid Dynamics**

**ENME646 Computational Fluid Dynamics; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Must have completed graduate-level fluid mechanics; or permission of instructor.* Fundamentals of numerical analysis of engineers. Inversion of large, sparse matrices. Numerical solution of the incompressible Navier-Stokes equations in Cartesian and curvilinear grids. Application to turbulent flows and micro-fluidics.

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| 0101 | Amir Riaz | Seats (Total: 30) |
| | MW 12:30pm - 1:45pm | ITV 1100 |

**ENME647** **Multiphase Flow and Heat Transfer**

**ENME647 Multiphase Flow and Heat Transfer; (3 credits)** Grade Method: REG/AUD.
Boiling and condensation in stationary systems, phase change heat transfer phenomenology, analysis and correlations. Fundamentals of two-phase flow natural circulation in thermal hydraulic multi-loop systems with applications to nuclear reactors safety. Multiphase flow fundamentals. Critical flow rates. Convective boiling and condensation. Multiphase flow and heat transfer applications in power and process industries.

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|---|---|---|
| 0101 | Jungho Kim | Seats (Total: 30) |
| | MW 11:00am - 12:15pm | EGR 0110 |

**ENME664** **Dynamics**

**ENME664 Dynamics; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ENES221; or students who have taken courses with comparable content may contact the department; or permission of instructor.* Kinematics in plane and space; Dynamics of particle, system of particles, and rigid bodies. Holonomic and non-holonomic constraints. Newton's equations, D'Alembert's principle, Hamilton's principle, and equations of Lagrange. Impact and collisions. Stability of equilibria.

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| 0101 | B Balachandran | Seats (Total: 25) |
| | TuTh 3:30pm - 4:45pm | EGR 3114 |

**ENME674** **Finite Element Methods**

**ENME674** *(PermReq)* **Finite Element Methods; (3 credits)** Grade Method: REG/AUD.
Theory and application of finite element methods for mechanical engineering problems such as stress analysis, thermal and fluid flow analysis, electro-magnetic field analysis and coupled boundary-value problems for "smart" or "adaptive" structure applications, stochastic finite element methods. Also offered as ENAE488C and ENAE652.

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|---|---|---|
| 0101 | Sung Lee | Seats (Total: 20) |
| | MW 5:10pm - 6:25pm | JMP 2222 |

**ENME676** **Advanced Mechanics of Materials**

**ENME676 Advanced Mechanics of Materials; (3 credits)** Grade Method: REG/AUD.
*Credit only granted for: ENME676, ENME808Z, or ENME489Z. Formerly: ENME808Z, but not since 2008; ENME808Z was subsequently used to designate another course (now ENME715).* Use of basic principles of mechanics to design more robust mechanical structures and systems. Simple techniques are presented to analyze deformation/strains as well as forces/stresses in linear elastic structures under mechanical loading. A simple overview of the finite element method is also presented.

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| 0101 | Hugh Bruck | Seats (Total: 10) |
| | MW 2:00pm - 3:15pm | EGR 0135 |

**ENME684** **Modeling Material Behavior**

**ENME684 Modeling Material Behavior; (3 credits)** Grade Method: REG/AUD. *Prerequisite: ENME670; or permission of instructor.* Constitutive equations for the response of solids to loads, heat, etc. based on the balance laws, frame invariance, and the application of thermodynamics to solids. Non-linear elasticity with heat conduction and dissipation. Linear and non-linear non-isothermal viscoelasticity with the elastic-viscoelastic correspondence principle. Classical plasticity and current viscoplasticity using internal state variables. Maxwell equal areas rule, phase change, and metastability and stability of equilibrium states. Boundary value problems. Introduction to current research areas.

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| 0101 | Abhijit Dasgupta<br>MW 11:00am - 12:15pm | Seats (Total: 40)<br>JMP 2222 |

**ENME695** **Failure Mechanisms and Reliability**

**ENME695 Failure Mechanisms and Reliability; (3 credits)** Grade Method: REG/AUD.

This course will present classical reliability concepts and definitions based on statistical analysis of observed failure distributions. Techniques to improve reliability, based on the study of root-cause failure mechanisms, will be presented; based on knowledge of the life-cycle loadprofile, product architecture and material properties. Techniques toprev ent operational failures through robust design and manufacturing practices will be discussed. Students will gain the fundamentals and skills in the field of reliability as it directly pertains to the designand the manufacture of electrical, mechanical, andelectomechanical products.

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| 0101 | Michael Pecht<br>M 9:00am - 11:40am | Seats (Total: 30)<br>JMP 2216 |
| ER01 | Michael Pecht<br>Class time/details on ELMs | Seats (Total: 10)<br>ONLINE |
| HT01 | Michael Pecht<br>M 9:00am - 11:40am | Seats (Total: 5)<br>Location: TBA |
| RE01 | Michael Pecht<br>Class time/details on ELMs | Seats (Total: 10)<br>ONLINE |
| SG01 | Michael Pecht<br>M 9:00am - 11:40am | Seats (Total: 5)<br>Location: TBA |

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|---|---|---|
| SM01 | Michael Pecht<br>M 9:00am - 11:40am | Seats (Total: 5)<br>Location: TBA |

**ENME696** **Planning for Autonomous Robots**

**ENME696 Planning for Autonomous Robots; (3 credits)** Grade Method: REG/AUD.

Planning is a fundamental capability needed to realize autonomous robots. Planning in the context of autonomous robots is carried out at multiple different levels. At the top level, task planning is performed to identify and sequence the tasks needed to meet the mission requirements. At the next level, planning is performed to determine a sequence of motion goals that satisfy individual task goals and constraints. Finally, at the lowest level, trajectory planning is performed to determine actuator actions to realize the motion goals.

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|---|---|---|
| 0101 | Petr Svec<br>F 10:00am - 12:30pm | Seats (Total: 10)<br>CHM 0122 |

**ENME700** **Advanced Mechanical Engineering Analysis I**

**ENME700 Advanced Mechanical Engineering Analysis I; (3 credits)** Grade Method: REG/AUD.

An advanced, unified approach to the solution of mechanical engineering problems, emphasis is on the formulation and solution of equilibrium, eigenvalue and propagation problems. Review and extension of undergraduate material in applied mathematics with emphasis on problems in heat transfer, vibrations, fluid flow and stress analysis which may be formulated and solved by classical procedures.

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| 0101 | Edward Magrab<br>TuTh 2:00pm - 3:15pm | Seats (Total: 28)<br>EGR 2116 |

**ENME707** **Combustion and Reacting Flow**

**ENME707 Combustion and Reacting Flow; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ENME331 and ENME332; or students who have taken courses with comparable content may contact the department.* This course covers thermochemistry and chemical kinetics of reacting flows in depth. In particular, we focus on the combustion of hydrocarbonf uels in both a phenomenological and mechanistic approach. The course co vers the specifics of premixed and nonpremixed flame systems, as wellasignition and extinction. Combustion modeling with equilibrium and chemical kinetic methods will be addressed. Environmental impact and emissi ons minimization will be covered in detail. Finally, the course will co ver available combustion diagnostic methods and their application in laboratory and real-world systems.

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| 0101 | Michael Zachariah<br>TuTh 9:30am - 10:45am | Seats (Total: 30)<br>JMP 2216 |
| PE01 | Michael Zachariah<br>Class time/details on ELMs | Seats (Total: 10)<br>ONLINE |

**ENME765** **Thermal Issues in Electronic Systems**

**ENME765 Thermal Issues in Electronic Systems; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ENME331 and ENME332. Corequisite: ENME473; or students who have taken courses with comparable content may contact the department.* This course addresses a range of thermal issues associated with electronic products life cycle. Computational modeling approaches for various levels of system hierarchy. Advanced thermal management concepts including: single phase and phase change liquid immersion, heat pipes, and thermoelectrics.

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| 0101 | Amir Shooshtari<br>TuTh 2:00pm - 3:15pm | Seats (Total: 25)<br>EGR 1102 |

**ENME799** **Master's Thesis Research**

**ENME799** *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ENME808** **Advanced Topics in Mechanical Engineering**

**Contact department for information to register for this course.**

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**ENME808E** **Advanced Topics in Mechanical Engineering; Lab-on-a-Chip Microsystems**

**ENME808E Advanced Topics in Mechanical Engineering: Lab-on-a-Chip Microsystems; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Don DeVoe<br>MW 3:30pm - 4:45pm | Seats (Total: 10)<br>JMP 1202 |

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**ENME808G** **Advanced Topics in Mechanical Engineering; Flexible Macroelectronics**

**ENME808G Advanced Topics in Mechanical Engineering: Flexible Macroelectronics; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Teng Li<br>MW 3:30pm - 4:45pm | Seats (Total: 30)<br>EGR 0110 |

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**ENME808L** **Advanced Topics in Mechanical Engineering; Ultra-low Energy Use Appliance Design II**

**ENME808L Advanced Topics in Mechanical Engineering: Ultra-low Energy Use Appliance Design II; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Yunho Hwang<br>TuTh 2:00pm - 3:15pm | Seats (Total: 7)<br>EGR 3102 |

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**ENME898** **Pre-Candidacy Research**

**ENME898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**ENME899** **Doctoral Dissertation Research**

**ENME899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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# ENNU Engineering, Nuclear Spring 2013

**ENNU648K** **Special Problems in Nuclear Engineering; Reactor Physics and Engineering**

**ENNU648K Special Problems in Nuclear Engineering: Reactor Physics and Engineering; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Mahmoud Massoud<br>W 4:00pm - 6:40pm | Seats (Total: 15)<br>JMP 2217 |
| NE01 | Mahmoud Massoud<br>W 4:00pm - 6:40pm | Seats (Total: 10)<br>ONLINE |

**ENNU648M** **Special Problems in Nuclear Engineering; Degradation of Materials**

**ENNU648M Special Problems in Nuclear Engineering: Degradation of Materials; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Richard Livingston<br>M 7:00pm - 9:40pm | Seats (Total: 17)<br>JMP 2120 |
| NE01 | Richard Livingston<br>M 7:00pm - 9:40pm | Seats (Total: 10)<br>ONLINE |
| SM01 | Richard Livingston<br>M 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |

**ENNU799** **Master's Thesis Research**

**ENNU799 Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ENNU898** **Pre-Candidacy Research**

**ENNU898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ENNU899** **Doctoral Dissertation Research**

**ENNU899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

## ENPM Engineering, Professional Masters Spring 2013

**ENPM601** **Analog and Digital Communication Systems**

**ENPM601 Analog and Digital Communication Systems; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ENPM600; or students who have taken courses with comparable content may contact the department.* Analog modulation methods including AM, DSBSC-AM, SSB, and QAM; effects of noise in analog modulation systems. Digital communication methods for the infinite bandwidth additive white Gaussian noise channel: PAM, QAM, PSK, FSK modulation; optimum receivers using the MAP principle; phase- locked loops; error probabilities. Digital communication over bandlimited channels: intersymbol interference and Nyquist's criterion, adaptive equalizers, symbol clock and carrier recovery systems, trellis coding. Spread spectrum systems: direct sequence modulation and frequency hopping.

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|---|---|---|
| 0101 | Sasan Haghani<br>Th 7:00pm - 9:40pm | Seats (Total: 25)<br>JMP 2222 |
| HT01 | Sasan Haghani<br>Th 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SG01 | Sasan Haghani<br>Th 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SM01 | Sasan Haghani<br>Th 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |

**ENPM602** **Data Networks**

**ENPM602 Data Networks; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ENEE324; or students who have taken courses with comparable content may contact the department.* Principles of network design, circuit switching and packet switching, OSI Reference Model; parity and cyclic redundancy check codes; retransmission request protocols; Markov chains and queuing models for delay analysis; multiaccess communication, local area networks, Ethernet and Token Ring standards; routing, flow control, internetworking; higher layer functions and protocols. Software tools for network simulation and performance analysis will be used.

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|---|---|---|
| 0101 | C Ravishankar<br>M 7:00pm - 9:40pm | Seats (Total: 25)<br>JMP 2216 |
| HT01 | C Ravishankar<br>M 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SG01 | C Ravishankar<br>M 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SM01 | C Ravishankar<br>M 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |

**ENPM610** **Digital VLSI Design**

**ENPM610 Digital VLSI Design; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Must have completed undergraduate courses in solid state devices and digital/analog circuit design.* VLSI design with emphasis on CMOS technology. Logic functions using CMOS switches; MOSFET characteristics; BiCMOS, dynamic logic and domino logic structures; PLA's, FPLA's, and gate arrays; layout via MAGIC, use of VHDL, IRSIM, and Spice; design rules and verification techniques; packaging techniques; chip design options: standard cells, sea-of-gates, full custom; design capture and verification tools; design of CMOS datapaths, memory, and control; possible fabrication via MOSIS.

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| 0101 | Manoj Franklin<br>W 7:00pm - 9:40pm | Seats (Total: 25)<br>JMP 2217 |
| DE01 | Manoj Franklin<br>Class time/details on ELMs | Seats (Total: 5)<br>ONLINE |

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|---|---|---|
| HT01 | Manoj Franklin<br>W 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SG01 | Manoj Franklin<br>W 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SM01 | Manoj Franklin<br>W 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |

**ENPM612** **System and Software Requirements**

**ENPM612 System and Software Requirements; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ENPM611. Credit only granted for: ENPM612 or ENPM808K. Formerly: ENPM808K.* Focus will be placed on the theoretical and practical aspects of requirements development. Students will recognize the place of requirements, how to work with users, requirements methods and techniques, the various requirements types, how to set requirements development schedules, requirements evolution, how to model and prototype requirements, how to evaluate and manage risk in requirements, techniques to test requirements, how to manage the requirements process, and how to write an effective requirements document.

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|---|---|---|
| 0101 | Madeline Diep<br>Tu 7:00pm - 9:40pm | Seats (Total: 25)<br>JMP 2222 |
| HT01 | Madeline Diep<br>Tu 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SG01 | Madeline Diep<br>Tu 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SM01 | Madeline Diep<br>Tu 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |

**ENPM614** **Software Testing & Maintenence**

**ENPM614** *(PermReq)* **Software Testing & Maintenence; (3 credits)** Grade Method: REG/AUD.
Aspects of software development after coding is completed will be covered. Students will understand the various levels of testing, techniques for creating test data, how to manage test cases and scenarios, testing strategies and methods, testing batch, client/server, real-time, and Internet systems, and the development of an effective test plan. Software maintenance will include the creation of easily maintained software; preventive maintenance, corrective maintenance, and enhancements; configuration management practices; and assuring quality in software manintenance.

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| 0101 | Mikael Lindvall<br>Th 7:00pm - 9:40pm | Seats (Total: 25)<br>JMP 2216 |
| HT01 | Mikael Lindvall<br>Th 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SG01 | Mikael Lindvall<br>Th 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SM01 | Mikael Lindvall<br>Th 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |

**ENPM632** **Advanced TCP/IP Networking**

**ENPM632 Advanced TCP/IP Networking; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Must have completed ENPM 631 or ENPM 808F, or permission of the instructor. Credit only granted for: ENPM 808E or ENPM 632. Formerly: ENPM808E.*
Introduction to the Socket Interface and network programming, advanced topics in IPv6, internet security, advanced topics in TCP performance, and congestion management, creating a simple web server, mobile IP, IP switching and MPLS, voice over IP and QoS, advanced use of Wireshark (statistics and graphs)

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|---|---|---|
| 0101 | Pedram Fard<br>Tu 7:00pm - 9:40pm | Seats (Total: 17)<br>JMP 2216 |
| HT01 | Pedram Fard<br>Tu 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SG01 | Pedram Fard<br>Tu 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |

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|---|---|---|
| SM01 | Pedram Fard<br>Tu 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |

**ENPM642** **Systems Requirements, Design and Trade-Off Analysis**

**ENPM642** *(PermReq)* **Systems Requirements, Design and Trade-Off Analysis; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ENPM641 or ENSE621; or permission of ENGR-CDL-Office of Advanced Engineering Education. Also offered as: ENSE622. Credit only granted for: ENPM642, ENSE602, or ENSE622.* This course builds on material covered in ENSE621/ENPM641, emphasizing the topics of requirements engineering, system-level design and trade-off analysis. Topics include: requirements engineering processes; representation and organization of requirements; implementation and applications of traceability; capabilities of commercial requirements; engineering software; system-level design; design structure matrices; principles of modular design; component- and interface-based design methods; multi-objective optimization-based design and tradeoff; approaches to system redesign in response to changes in requirements, reliability, trade-off analysis,and optimization-based design. Students will complete a project focussing on the development of requirements and their traceability to the system-level design of an engineering system. Also offered as ENSE622.

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|---|---|---|
| 0101 | Mark Austin<br>M 7:00pm - 9:40pm | Seats (Total: 27)<br>JMP 2121 |
| HT01 | Mark Austin<br>M 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SG01 | Mark Austin<br>M 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SM01 | Mark Austin<br>M 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |

**ENPM644** **Human Factors in Systems Engineering**

**ENPM644** *(PermReq)* **Human Factors in Systems Engineering; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Permission of ENGR-CDL-Office of Advanced Engineering Education. Also offered as: ENSE624. Credit only granted for: ENPM644 or ENSE624.* This course covers the general principles of human factors, or ergonomics as it is sometimes called. Human Factors (HF) is an interdisciplinary approach for dealing with issues related to people in systems. It focuses on consideration of the characteristics of human beings in the design of systems and devices of all kinds. It is concerned with the assignment of appropriate functions for humans and machines, whether the people serve as operators, maintainers, or users of the system or device. The goal of HF is to achieve compatibility in the design of interactive systems of people, machines, and environments to ensure their effectiveness, safety and ease of use. Also offered as ENSE624.

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|---|---|---|
| 0101 | Robert Beaton<br>Th 7:00pm - 9:40pm | Seats (Total: 40)<br>JMP 3201 |
| HT01 | Robert Beaton<br>Th 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SG01 | Robert Beaton<br>Th 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SM01 | Robert Beaton<br>Th 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |

**ENPM647** **Systems Quality and Robustness Analysis**

**ENPM647** *(PermReq)* **Systems Quality and Robustness Analysis; (3 credits)**
Grade Method: REG/AUD.
*Prerequisite: Permission of ENGR-CDL-Office of Advanced Engineering Education. Also offered as: ENSE627. Credit only granted for: ENPM647 or ENSE627.* This course covers systems engineering approaches for creating optimal and robust engineering systems and for quality assurance. It provides an overview of the important tools for quality analysis and quality management of engineering systems. These tools are commonly used in companies and organizations. Focus is placed on the Baldrige National Quality Program, ISO 9000 certification, six-sigma systems, and Deming total quality management to examine how high quality standards are sustained and customer requirements and satisfactions are ensured. The Taguchi method for robust analysis and design is covered and applied to case studies. Issues of flexible design over the system life cycle are addressed. Statistical process control, international standards for sampling, and design experimentation are also studied. Also offered as ENSE627.

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|---|---|---|
| 0101 | Guangming Zhang<br>W 7:00pm - 9:40pm | Seats (Total: 30)<br>JMP 3201 |
| HT01 | Guangming Zhang<br>W 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SG01 | Guangming Zhang<br>W 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SM01 | Guangming Zhang<br>W 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |

**ENPM650** **Solar Thermal Energy Systems**

**ENPM650 Solar Thermal Energy Systems; (3 credits)** Grade Method: REG/AUD.
*Credit only granted for: ENPM808A or ENPM650. Formerly: ENPM808A. Additional information: This course will be offered online only.* Covers the full range of technologies that utilize solar radiation for heating, cooling, lighting and electrical power generation, excluding photovoltaic applications. Topics include: Solar radiation calculations and predictions; Solar spectral characteristics, and diffuse and direct solar radiation; Passive solar applications; Heating; Daylighting; Thermal storage; Fenestration systems; Architectural design; Active solar applications for heating; Solar collectors; Water-based systems; ir-based systems; Domestic hot water heating; Space heating; Process heating; Cooling systems; Flat plate versus concentrating collectors; Fixed versus tracking collector systems; Solar thermal electrical power generation; Dish/Stirling engine systems; Linear concentrator systems; Power tower systems; Thermal storage; Combined cycle applications; Systems design and integration; Control systems and system operation; and Performance calculations and predictions.

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|---|---|---|
| ME01 | Stephen Treado<br>Class time/details on ELMs | Seats (Total: 40)<br>ONLINE |

**ENPM651** **Heat Transfer for Modern Application**

**ENPM651 Heat Transfer for Modern Application; (3 credits)** Grade Method: REG/AUD.
*Credit only granted for: ENPM651 or ENPM808P. Formerly: ENPM808P.* The applications selected will vary widely: from cooling of electronics to prevention of fog and stalagmite formation in ice rinks. Multi-mode (i.e. simultaneous conduction, convection, radiation, mass transfer) problems will be emphasized. Lectures on basic principles, followed by assignments in which students formulate solutions and explain results.

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|---|---|---|
| 0101 | Yunho Hwang<br>Tu 7:00pm - 9:40pm | Seats (Total: 25)<br>JMP 2121 |
| DE01 | Yunho Hwang<br>Class time/details on ELMs | Seats (Total: 5)<br>ONLINE |
| HT01 | Yunho Hwang<br>Tu 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |

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|---|---|---|
| SG01 | Yunho Hwang<br>Tu 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SM01 | Yunho Hwang<br>Tu 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |

**ENPM656** **Energy Conversion II -- Mobile Power**

**ENPM656 Energy Conversion II -- Mobile Power; (3 credits)** Grade Method: REG/AUD.
*Credit only granted for: ENPM656 or ENPM808G. Formerly: ENPM808G.* Presents the scientific and engineering basis for design, manufacture, and operation of thermal conversion technologies utilized for mobility power generation. The interface between fuel combustion chemistry and generated power are addressed. The practical aspects of design and operation of various alternatives for power are compared. The impact of choices with regard to power and fuel alternatives as well as air pollution potential are also considered.

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|---|---|---|
| 0101 | Leonard Hamilton<br>Th 7:00pm - 9:40pm | Seats (Total: 25)<br>JMP 2121 |
| HT01 | Leonard Hamilton<br>Th 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| ME01 | Leonard Hamilton<br>Class time/details on ELMs | Seats (Total: 20)<br>ONLINE |
| SG01 | Leonard Hamilton<br>Th 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SM01 | Leonard Hamilton<br>Th 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |

**ENPM660** **Wind Energy Engineering**

**ENPM660 Wind Energy Engineering; (3 credits)** Grade Method: REG/AUD.
*Credit only granted for: ENPM808Q or ENPM660. Formerly: ENPM808Q.* An examination of four central topics in wind energy engineering: the nature of wind energy as a resource for generating electricity; the aerodynamics of wind turbines by which the wind energy is converted into mechanical energy; the mechanics and dynamics of the wind energy system (tower, rotor, hub, drive train, and generator); and the electrical aspects of wind turbines. Additional topics to be included in the course include:Wind turbine design; wind turbine control; wind turbine siting, system design, and integration; Wind energy system economics; and wind energy systems environmental impacts and aspects. The course is intended to pass along substantial subject matter knowledge and skills, it can only be treated as an introduction to this extensive, multidisciplinary topic. However, students are expected to emerge with a substantial knowledge of wind energy systems and the methods used to analyze such systems.

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|---|---|---|
| 0101 | Norman Eisenberg<br>W 7:00pm - 9:40pm | Seats (Total: 25)<br>JMP 2222 |
| HT01 | Norman Eisenberg<br>W 7:00pm - 9:40pm | Seats (Total: 5)<br>ONLINE |
| ME01 | Norman Eisenberg<br>Class time/details on ELMs | Seats (Total: 15)<br>ONLINE |
| SG01 | Norman Eisenberg<br>W 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SM01 | Norman Eisenberg<br>W 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |

**ENPM671** **Advanced Mechanics of Materials**

**ENPM671 Advanced Mechanics of Materials; (3 credits)** Grade Method: REG/AUD.
*Credit only granted for: ENPM808M or ENPM671. Formerly: ENPM808M.* Formulate and quantitatively state the mechanical/physical responses of structural components and configurations subjected to loads, temperature, pre-strains etc. The two methods of anlysis employed are the mechanics of materials approach and the theory of elasticity approach. Analysis and design of components of structural/machine systems as experienced in aeronautical, civil, mechanical and nuclear engineering.

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|---|---|---|
| 0101 | Gilad Sharon<br>M 7:00pm - 9:40pm | Seats (Total: 25)<br>JMP 2222 |
| SG01 | Gilad Sharon<br>M 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SM01 | Gilad Sharon<br>M 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |

**ENPM672** **Fundamentals for Thermal Systems**

**ENPM672 Fundamentals for Thermal Systems; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Undergraduate engineering, physics or chemistry degree. Credit only granted for: ENPM672 or ENPM808J. Formerly: ENPM808J.* Included in this course is an introduction to thermodynamics, fluid mechanics and heat transfer. Emphasis is on gaining an understanding of the physical concepts through the solving of numerical problems associated with simple thermal fluid processes and cycles. Both ideal gases and multiphase fluids will be considered as the working fluids.

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|---|---|---|
| ME01 | David Didion<br>Class time/details on ELMs | Seats (Total: 20)<br>ONLINE |

**ENPM682** **Shockwave Physics II**

**ENPM682 Shockwave Physics II; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ENPM681. Credit only granted for: ENPM682 or ENPM808D. Formerly: ENPM808D.* Elastic-plastic solids, phase transitions, porous solids, materials with time-dependent properties, detonation waves in Ideal explosives, detonation waves in cylinders of non-ideal explosives, shock initiation of high explosives, experimental techniques for measuring detonation wave properties, Lagrangian coordinate system, ramp wave and raditiaton loading of material.

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| PE01 | Jerry Forbes<br>Class time/details on ELMs | Seats (Total: 25)<br>ONLINE |

**ENPM691** **Programming in C for Cybersecurity Applications**

**ENPM691 Programming in C for Cybersecurity Applications; (3 credits)** Grade Method: REG/P-F/AUD.
*Formerly: ENPM808M.* Teaches the fundamentals of programming in C and the skills including data structures and algorithms that students need for solving typical telecommunication and computer security engineering problems by writing a program in C. Control flow statement, arrays, file handling, pointers and dynamic memory allocation will be reviewed. Developing data structures such as queues, stacks and linked lists and network topics including socket programming, packet sniffing in C will be discussed. Implementation of algorithms that have application in Cybersecurity such as Cryptography will be reviewed.

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|---|---|---|
| 0101 | Dharmalingam Ganesan<br>M 7:00pm - 9:40pm | Seats (Total: 25)<br>JMP 3201 |
| HT01 | Dharmalingam Ganesan<br>M 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SG01 | Dharmalingam Ganesan<br>M 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SM01 | Dharmalingam Ganesan<br>M 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |

**ENPM808** **Advanced Topics in Engineering**

**ENPM808** *(PermReq)* **Advanced Topics in Engineering; (1-3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | George Syrmos<br>Contact instructor or department for details. | Seats (Total: 10) |

**ENPM808E** **Advanced Topics in Engineering; Information Assurance**

**ENPM808E Advanced Topics in Engineering: Information Assurance; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Michel Cukier<br>Th 4:00pm - 6:40pm | Seats (Total: 25)<br>JMP 2222 |

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|---|---|---|
| HT01 | Michel Cukier<br>Th 4:00pm - 6:40pm | Seats (Total: 5)<br>Location: TBA |
| SG01 | Michel Cukier<br>Th 4:00pm - 6:40pm | Seats (Total: 5)<br>Location: TBA |
| SM01 | Michel Cukier<br>Th 4:00pm - 6:40pm | Seats (Total: 5)<br>Location: TBA |

**ENPM808F** **Advanced Topics in Engineering; Reverse Software Engineering**

**ENPM808F Advanced Topics in Engineering: Reverse Software Engineering; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Charles Song<br>W 7:00pm - 9:40pm | Seats (Total: 25)<br>JMP 2216 |
| HT01 | Charles Song<br>W 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SG01 | Charles Song<br>W 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SM01 | Charles Song<br>W 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |

**ENPM808N** **Advanced Topics in Engineering; Urban Stormwater Management**

**ENPM808N Advanced Topics in Engineering: Urban Stormwater Management; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Houng Li<br>M 7:00pm - 9:40pm | Seats (Total: 17)<br>JMP 2217 |
| HT01 | Houng Li<br>M 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SG01 | Houng Li<br>M 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |

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|---|---|---|
| SM01 | Houng Li<br>M 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |

**ENPM808X** **Advanced Topics in Engineering; Nuclear Reactor Dynamics and Control**

**ENPM808X Advanced Topics in Engineering: Nuclear Reactor Dynamics and Control; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | James Turso<br>Th 7:00pm - 9:40pm | Seats (Total: 17)<br>JMP 2120 |
| HT01 | James Turso<br>Th 7:00pm - 9:40pm | Seats (Total: 5)<br>ONLINE |
| NE01 | James Turso<br>Class time/details on ELMs | Seats (Total: 10)<br>ONLINE |
| SG01 | James Turso<br>Th 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SM01 | James Turso<br>Th 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |

# ENPP Engineering and Public Policy Spring 2013

**ENPP611** **MEPP Scholarly Practicum**

**ENPP611** *(PermReq)* **MEPP Scholarly Practicum; (3 credits)** Grade Method: REG/AUD.

*Restriction: Must have Practicum Proposal approved by MEPP.* The scholarly practicum internship for MEPP students is intended to educate students in how engineering and public policy is practised in their MEPP specialization. The internship must last a minimum of 400 hours, and must be completed by the submission and approval of progress and completion reports. By undertaking the internship midway through the student's MEPP studies, the student can make use of MEPP studies completed, and use the experience in selection of subsequent MEPP course to maximize the educational opportunities of the MEPP program.

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|---|---|---|
| 0101 | Steven Gabriel<br>Contact instructor or department for details. | Seats (Total: 10) |

# ENRE Reliability Engineering Spring 2013

**ENRE447** **Fundamentals of Reliability Engineering**

**ENRE447 Fundamentals of Reliability Engineering; (3 credits)** Grade Method: REG/P-F/AUD.
*Credit only granted for: ENRE445 or ENRE447. Formerly: ENRE445.* Topics covered include: fundamental understanding of how things fail, probabilistic models to represent failure phenomena, life-models for non-repairable items, reliability data collection and analysis, software reliability models, and human reliability models.

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| 0101 | Aristos Christou | Seats (Total: 40) |
| | TuTh 3:30pm - 4:45pm | EGR 3106 |

**ENRE489** **Special Topics in Reliability Engineering**

**ENRE489** *(PermReq)* **Special Topics in Reliability Engineering; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ENRE489G** **Special Topics in Reliability Engineering; Fundamental Reliability Analysis**
**Contact department for information to register for this course.**

**ENRE620** **Mathematical Techniques of Reliability Engineering**
**Contact department for information to register for this course.**

**ENRE640** **Collection and Analysis of Reliability Data**
**Contact department for information to register for this course.**

**ENRE645** **Human Reliability Analysis**

**ENRE645 Human Reliability Analysis; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ENRE600 and ENRE602; or permission of ENGR-Materials Science & Engineering department. Credit only granted for: ENRE645 or ENRE734. Formerly: ENRE734.* Methods of solving practical human reliability problems, the THERP, SLIM, OAT and SHARP methods, performance shaping factors, human machine systems analysis, distribution of human performance and uncertainty bounds, skill levels, source of human error probability data, examples and case studies.

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|---|---|---|
| 0101 | Monifa Vaughn-Cooke<br>TuTh 3:30pm - 4:45pm | Seats (Total: 20)<br>JMP 2216 |
| ER01 | Monifa Vaughn-Cooke<br>TuTh 3:30pm - 4:45pm | Seats (Total: 10)<br>Location: TBA |
| HT01 | Monifa Vaughn-Cooke<br>TuTh 3:30pm - 4:45pm | Seats (Total: 10)<br>Location: TBA |
| RE01 | Monifa Vaughn-Cooke<br>TuTh 3:30pm - 4:45pm | Seats (Total: 10)<br>Location: TBA |
| SG01 | Monifa Vaughn-Cooke<br>TuTh 3:30pm - 4:45pm | Seats (Total: 10)<br>Location: TBA |
| SM01 | Monifa Vaughn-Cooke<br>TuTh 3:30pm - 4:45pm | Seats (Total: 10)<br>Location: TBA |

**ENRE648** **Special Problems in Reliability Engineering**

**ENRE648** *(PermReq)* **Special Problems in Reliability Engineering; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ENRE655** **Advanced Methods in Reliability Modeling**

**ENRE655 Advanced Methods in Reliability Modeling; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ENRE602. Credit only granted for: ENRE655 or ENRE665. Formerly: ENRE665.* Bayesian methods and applications, estimation of rare event frequencies, uncertainty analysis and propagation methods, reliability analysis of dynamic systems, analysis of dependent failures, reliability of repairable systems, human reliability analysis methods and theory of logic diagrams and application to systems reliability.

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|---|---|---|
| 0101 | Ali Mosleh<br>M 2:00pm - 4:40pm | Seats (Total: 10)<br>JMP 2217 |
| ER01 | Ali Mosleh<br>Contact instructor or department for details. | Seats (Total: 15) |

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|---|---|---|
| HT01 | Ali Mosleh<br>M 2:00pm - 4:40pm | Seats (Total: 10)<br>Location: TBA |
| RE01 | Ali Mosleh<br>Class time/details on ELMs | Seats (Total: 10)<br>ONLINE |
| SG01 | Ali Mosleh<br>M 2:00pm - 4:40pm | Seats (Total: 10)<br>Location: TBA |
| SM01 | Ali Mosleh<br>M 2:00pm - 4:40pm | Seats (Total: 10)<br>Location: TBA |
| TV01 | Ali Mosleh<br>M 2:00pm - 4:40pm | Seats (Total: 10)<br>Location: TBA |

**ENRE671** **Risk Assessment in Engineering**

**ENRE671 Risk Assessment in Engineering; (3 credits)** Grade Method: REG/AUD. *Prerequisite: ENRE670. Credit only granted for: ENRE648W or ENRE671. Formerly: ENRE648W.* Introduction to risk management and decision-making, including uncertainty propagation, importance ranking, risk acceptance criteria, decision analysis and other decsion-making techniques, risk communication.

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| 0101 | Jeffrey Herrmann<br>TuTh 2:00pm - 3:15pm | Seats (Total: 10)<br>JMP 2216 |
| ER01 | Jeffrey Herrmann<br>Contact instructor or department for details. | Seats (Total: 10) |
| RE01 | Jeffrey Herrmann<br>Contact instructor or department for details. | Seats (Total: 10) |
| SM01 | Jeffrey Herrmann<br>Contact instructor or department for details. | Seats (Total: 5) |

**ENRE684** **Information Security**

**ENRE684 Information Security; (3 credits)** Grade Method: REG/AUD.
*Also offered as: ENME442. Credit only granted for: ENME442, ENRE648J, or ENRE684. Formerly: ENRE648J.* This course is divided into three major components: overview, detailed concepts and implementation techniques. The topics to be covered are: general security concerns and concepts from both a technical and management point of view, principles of security, architectures, access control and multi-level security, trojan horses, covert channels, trap doors, hardware security mechanism, security models, security kernels, formal specifications and verification, networks and distribution systems and risk analysis.

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|---|---|---|
| 0101 | Michel Cukier<br>TuTh 2:00pm - 3:15pm | Seats (Total: 10)<br>JMP 2222 |
| ER01 | Michel Cukier<br>TuTh 2:00pm - 3:15pm | Seats (Total: 10)<br>Location: TBA |
| HT01 | Michel Cukier<br>TuTh 2:00pm - 3:15pm | Seats (Total: 5)<br>Location: TBA |
| RE01 | Michel Cukier<br>TuTh 2:00pm - 3:15pm | Seats (Total: 10)<br>Location: TBA |
| SG01 | Michel Cukier<br>TuTh 2:00pm - 3:15pm | Seats (Total: 5)<br>Location: TBA |
| SM01 | Michel Cukier<br>TuTh 2:00pm - 3:15pm | Seats (Total: 5)<br>Location: TBA |

**ENRE799** **Master's Thesis Research**

**ENRE799 Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ENRE898** **Pre-Candidacy Research**

**ENRE898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ENRE899** **Doctoral Dissertation Research**

**ENRE899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# ENSE Systems Engineering Spring 2013

**ENSE622** **Systems Requirements, Design and Trade-Off Analysis**

**ENSE622** *(PermReq)* **Systems Requirements, Design and Trade-Off Analysis; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ENPM641 and ENSE621; or permission of ENGR-Institute for Systems Research. Also offered as: ENPM642. Credit only granted for: ENPM642 or ENSE622.* This course builds on material covered in ENSE621/ENPM641, emphasizing the topics of requirements engineering, system-level design and trade-off analysis. Topics include: requirements engineering processes; representation and organization of requirements; implementation and applications of traceability; capabilities of commercial requirements; engineering software; system-level design; design structure matrices; principles of modular design; component- and interface-based design methods; multi-objective optimization-based design and tradeoff; approaches to system redesign in response to changes in requirements, reliability, trade-off analysis,and optimization-based design. Students will complete a project focussing on the development of requirements and their traceability to the system-level design of an engineering system. Also offered as ENPM642.

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|---|---|---|
| 0101 | Mark Austin | Seats (Total: 27) |
| | M 7:00pm - 9:40pm | JMP 2121 |

**ENSE624** **Human Factors in Systems Engineering**

**ENSE624** *(PermReq)* **Human Factors in Systems Engineering; (3 credits)** Grade Method: REG/AUD.
*Restriction: Permission of ENGR-Institute for Systems Research. Also offered as: ENPM644. Credit only granted for: ENPM644 or ENSE624.* This course covers the general principles of human factors, or ergonomics as it is sometimes called. Human Factors (HF) is an interdisciplinary approach for dealing with issues related to people in systems. It focuses on consideration of the characteristics of human beings in the design of systems and devices of all kinds. It is concerned with the assignment of appropriate functions for humans and machines, whether the people serve as operators, maintainers, or users of the system or device. The goal of HF is to achieve compatibility in the design of interactive systems of people, machines, and environments to ensure their effectiveness, safety and ease of use. Also offered as ENPM644.

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| 0101 | Robert Beaton<br>Th 7:00pm - 9:40pm | Seats (Total: 40)<br>JMP 3201 |

**ENSE627** **Systems Quality and Robustness Analysis**

**ENSE627** *(PermReq)* **Systems Quality and Robustness Analysis; (3 credits)** Grade Method: REG.
*Restriction: Permission of ENGR-Institute for Systems Research. Also offered as: ENPM647. Credit only granted for: ENPM647 or ENSE627.* This course covers systems engineering approaches for creating optimal and robust engineering systems and for quality assurance. It provides an overview of the important tools for quality analysis and quality management of engineering systems. These tools are commonly used in companies and organizations. Focus is placed on the Baldrige National Quality Program, ISO 9000 certification, six-sigma systems, and Deming total quality management to examine how high quality standards are sustained and customer requirements and satisfactions are ensured. The Taguchi method for robust analysis and design is covered and applied to case studies. Issues of flexible design over the system life cycle are addressed. Statistical process control, international standards for sampling, and design experimentation are also studied. Also offered as ENPM647.

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|---|---|---|
| 0101 | Guangming Zhang<br>W 7:00pm - 9:40pm | Seats (Total: 30)<br>JMP 3201 |
| HT01 | Guangming Zhang<br>W 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |

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|---|---|---|
| SG01 | Guangming Zhang<br>W 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |
| SM01 | Guangming Zhang<br>W 7:00pm - 9:40pm | Seats (Total: 5)<br>Location: TBA |

**ENSE698F** **Special Topics in Systems Engineering; Current Issues in Federal Acquisition**

**ENSE698F Special Topics in Systems Engineering: Current Issues in Federal Acquisition; (3 credits)** Grade Method: REG/AUD.
Also offered as BUSI758P and PUAF689F.

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| 0101 | Jacques Gansler<br>M 4:15pm - 6:45pm | Seats (Total: 20)<br>VMH 1203 |

**ENSE699** **Directed Study in Systems Engineering**

**ENSE699** *(PermReq)* **Directed Study in Systems Engineering; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ENSE799** **Systems Engineering Thesis; Masters Thesis Research**

**ENSE799** *(PermReq)* **Systems Engineering Thesis: Masters Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# ENSP Environmental Science and Policy Spring 2013

**ENSP101** **Introduction to Environmental Science**
**Contact department for information to register for this course.**

**ENSP102** **Introduction to Environmental Policy**

**ENSP102 Introduction to Environmental Policy; (3 credits)** Grade Method: REG. GenEd: Distributive Studies - History and Social Sciences.
*Additional information: May be taken before or after ENSP101.* Second of two courses that introduce students to the topics studied and methods employed in environmental science and policy. Emphasis on the process of formulating, implementing, and evaluating policy responses to environmental problems, with particular attention to policy controversies related to scientific uncertainty, risk assessment, the valuation of nature, and distributional equity. May be taken before or after ENSP101.

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|---|---|---|---|
| 0101 | Joanna Goger<br>TuTh 9:30am - 10:45am<br>F 10:00am - 10:50am | Seats (Total: 22)<br>SHM 2102<br>EGR 1102 | Discussion |
| 0102 | Joanna Goger<br>TuTh 9:30am - 10:45am<br>F 11:00am - 11:50am | Seats (Total: 22)<br>SHM 2102<br>EGR 1102 | Discussion |
| 0103 | Joanna Goger<br>TuTh 9:30am - 10:45am<br>F 11:00am - 11:50am | Seats (Total: 23)<br>SHM 2102<br>EGR 3114 | Discussion |
| 0104 | Joanna Goger<br>TuTh 9:30am - 10:45am<br>Th 2:00pm - 2:50pm | Seats (Total: 22)<br>SHM 2102<br>CHE 2145 | Discussion |
| 0105 | Joanna Goger<br>TuTh 9:30am - 10:45am<br>F 10:00am - 10:50am | Seats (Total: 22)<br>SHM 2102<br>CHE 2145 | Discussion |
| 0106 | Joanna Goger<br>TuTh 9:30am - 10:45am<br>Th 2:00pm - 2:50pm | Seats (Total: 22)<br>SHM 2102<br>PLS 1158 | Discussion |
| 0107 | Joanna Goger<br>TuTh 9:30am - 10:45am<br>Th 2:00pm - 2:50pm | Seats (Total: 22)<br>SHM 2102<br>PLS 1115 | Discussion |

**ENSP340** **Water: Science, Ethics and Law**

**ENSP340** *(PermReq)* **Water: Science, Ethics and Law; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Permission of AGNR-Dean-Environmental Science & Policy Program. Recommended: ENSP102 and ENSP101. Credit only granted for: ENSP340 or ENSP399B. Formerly: ENSP399B.* Exploration of legal, policy, ethical, and scientific apsects of water resource protection and management. Focus on water pollution, water availability, ecosystems, and sustainability.

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| 0101 | Joanna Goger | Seats (Total: 25) |
| | TuTh 12:30pm - 1:45pm | PLS 1113 |

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**ENSP386** **Internship**

**ENSP386** *(PermReq)* **Internship; (3-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
*Restriction: Must have internship proposal approved by the concentration advisor, the director of ENSP and the student's internship sponsor.*

**Contact department for information to register for this course.**

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**ENSP399** **Special Topics in Environmental Science and Policy**

**ENSP399 Special Topics in Environmental Science and Policy; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**ENSP400** **Capstone in Environmental Science and Policy**

**ENSP400** *(PermReq)* **Capstone in Environmental Science and Policy; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
*Prerequisite: ENSP101; and ENSP102. Restriction: Senior standing; or permission of the Director of ENSP. And must be in Environmental Science and Policy program.* Integration of physical, biological, and social sciences with applications to environmental science and policy. Problem-solving and multi-disciplinary case study evaluations pertinent to contemporary and future issues related to the environment.

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|---|---|---|
| 0101 | Emma Roach | Seats (Total: 45) |
| | Tu 5:00pm - 7:30pm | HBK 0115 |

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**ENSP499** **Honors Thesis Research**

**ENSP499 Honors Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# ENST Environmental Science and Technology Spring 2013

**ENST200** **Fundamentals of Soil Science**

**ENST200 Fundamentals of Soil Science; (4 credits)** Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab.
*Corequisite: CHEM131 and CHEM132; or permission of AGNR-Environmental Science & Technology department. Credit only granted for: ENST200 or NRSC200. Formerly: NRSC200.* Study and management of soils as natural bodies, media for plant growth, and ecosystem components. Morphology, composition, formation, and conservation of soils. Chemical, biological, and physical properties are discussed in relation to the production of plants, the functioning of hydrologic and nutrient cycles, the protection of environmental quality, and engineering uses of soils.

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|---|---|---|---|
| 0101 | Raymond Weil<br>TuTh 3:30pm - 4:45pm<br>M 9:00am - 11:50am | Seats (Total: 25)<br>HJP 0226<br>HJP 0210 | <br><br>Lab |
| 0102 | Raymond Weil<br>TuTh 3:30pm - 4:45pm<br>Tu 9:30am - 12:20pm | Seats (Total: 25)<br>HJP 0226<br>HJP 0210 | <br><br>Lab |
| 0103 | Raymond Weil<br>TuTh 3:30pm - 4:45pm<br>W 9:00am - 11:50am | Seats (Total: 25)<br>HJP 0226<br>HJP 0210 | <br><br>Lab |
| 0104 | Raymond Weil<br>TuTh 3:30pm - 4:45pm<br>Tu 5:00pm - 7:50pm | Seats (Total: 25)<br>HJP 0226<br>HJP 0210 | <br><br>Lab |
| 0105 | Raymond Weil<br>TuTh 3:30pm - 4:45pm<br>W 5:00pm - 7:50pm | Seats (Total: 25)<br>HJP 0226<br>HJP 0210 | <br><br>Lab |

| | | | |
|---|---|---|---|
| 0106 | Raymond Weil<br>TuTh 3:30pm - 4:45pm<br>Th 5:00pm - 7:50pm | Seats (Total: 25)<br>HJP 0226<br>HJP 0210 | <br><br>Lab |

**ENST233** **Introduction to Environmental Health**

**ENST233 Introduction to Environmental Health; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Sciences.
How humans are affected by the quality of our air, water, soil, and food supply as well as how human activities altered these survival necessities are examined. Students will learn how the evolution and prosperity of human populations have resulted in degradation of our environment and the impact of environmental degradation on the health of people.

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|---|---|---|---|
| 0101 | Lance Yonkos<br>TuTh 2:00pm - 3:15pm<br>W 11:00am - 11:50am | Seats (Total: 40)<br>ANS 0408<br>ANS 0422 | <br><br>Discussion |
| 0102 | Lance Yonkos<br>TuTh 2:00pm - 3:15pm<br>W 12:00pm - 12:50pm | Seats (Total: 40)<br>ANS 0408<br>ANS 0422 | <br><br>Discussion |

**ENST250** **Environmental Issues and Culture in USA and Russia**

**ENST250 Environmental Issues and Culture in USA and Russia; (2 credits)** Grade Method: REG.
*Recommended: Recommended for Freshmen and Sophomores only.* Explore environmental issues and culture with university students at Moscow State University of Environmental Engineering, Moscow, Russia via weekly videoconferences. Culture and environmental issues of both countries will be examined via individual and group presentations and guided discussions.

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|---|---|---|---|
| 0101 | Robert Hill<br>W 9:00am - 10:50am | Seats (Total: 15)<br>SYM 0118 | |

**ENST281** **Computer Aided Design in Ecology**

**ENST281 Computer Aided Design in Ecology; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Must be in Environmental Sci & Tech program.* Basics of Computer Aided Drawing (CAD) applied to design of constructed ecosystems. Introduction to dynamic ecosystem modeling with iconographic simulation software. Course will spend 6 weeks on CAD and 8 weeks on modeling. Use of campus stormwater wetland as case study.

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|---|---|---|
| 0101 | Brandon Winfrey<br>MW 6:00pm - 7:50pm | Seats (Total: 20)<br>ANS 0509 |
| 0102 | Katherine Klavon<br>TuTh 6:00pm - 7:50pm | Seats (Total: 20)<br>ANS 0509 |

**ENST309** **Advanced Field Soil Morphology**

**ENST309 Advanced Field Soil Morphology; (1 credit)** Grade Method: REG/P-F/AUD.

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| 0101 | Brian Needelman<br>Contact instructor or department for details. | Seats (Total: 15) |

**ENST334** **Environmental Toxicology**

**ENST334 Environmental Toxicology; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: CHEM131, CHEM132, and BSCI207; or permission of AGNR-Environmental Science & Technology department.* Concepts and case histories in ecotoxicology. Emphasis on origin and variety of environmental pollutants, routes of biological exposure, modes of toxicological action and effects on individual organisms, populations and ecosystems. Ecotoxicological issues in the Chesapeake Bay will be used as examples.

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|---|---|---|
| 0101 | Daniel Fisher<br>TuTh 12:30pm - 1:45pm | Seats (Total: 35)<br>ANS 0412 |

**ENST389** **Internship**

**ENST389** *(PermReq)* **Internship; (3 credits)** Grade Method: S-F.

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| 0101 | Patrick Kangas | Seats (Total: 50) |
| | Contact instructor or department for details. | |

**ENST405** **Energy and Environment**

**ENST405 Energy and Environment; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MATH140; or MATH220. Restriction: Junior standing or higher. Also offered as: ENST605. Credit only granted for: ENST405, ENST605, NRMT489Z, or MEES698Z. Formerly: NRMT489Z.* Introduction to the role of energy in environmental and human-dominated systems. Discussion of the historical and modern production and consumption of energy. Introduction to energy systems computer simulation and energy auditing. Also offered as MEES698Z.

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|---|---|---|
| 0101 | Elliott Campbell | Seats (Total: 42) |
| | MWF 10:00am - 10:50am | ANS 0422 |

**ENST407** **Environmental Plant Physiology**

**ENST407 Environmental Plant Physiology; (4 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PLSC100 or PLSC101; or (BSCI106 and BSCI105). Recommended: CHEM131 and CHEM132. Restriction: Junior standing or higher. Also offered as: PLSC400. Credit only granted for: PLSC400 or ENST407.* An introduction to the basic physical and physiological principles necessary for understanding the interactions between plants and their environment. The overall objective is to understand plant responses and adaptions to the environment and the ecological relevance of these responses.

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|---|---|---|---|
| 0101 | Wendy Peer, Jianhua Zhu, Angus Murphy | Seats (Total: 24) | |
| | MWF 12:00pm - 12:50pm | PLS 1119 | |
| | Th 4:00pm - 6:50pm | PLS 1153 | Lab |

**ENST411** **Principles of Soil Fertility**

**ENST411 Principles of Soil Fertility; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: ENST200; or students who have taken courses with comparable content may contact the department. Also offered as: ENST611. Credit only granted for: ENST411 or NRSC411. Formerly: NRSC411.* Soil factors affecting plant growth and quality with emphasis on the bio-availability of mineral nutrients. The management of soil systems to enhance plant growth by means of crop rotations, microbial activities, and use of organic and inorganic amendments.

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|---|---|---|---|
| 0101 | Raymond Weil | Seats (Total: 25) | |
| | TuTh 12:30pm - 1:45pm | HJP 1104 | |

**ENST423** **Soil-Water Pollution**

**ENST423 Soil-Water Pollution; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: CHEM104 and ENST200; and permission of AGNR-Environmental Science & Technology department. Credit only granted for: ENST423 or NRSC423.* Reaction and fate of pesticides, agricultural fertilizers, industrial and animal wastes in soil and water with emphasis on their relation to the environment.

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|---|---|---|---|
| 0101 | Robert Hill | Seats (Total: 30) | |
| | TuTh 11:00am - 12:15pm | HJP 1104 | |

**ENST430** **Wetland Soils**

**ENST430 Wetland Soils; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: ENST200. Credit only granted for: ENST430, ENST630, or NRSC461. Formerly: NRSC461.* The soils of wetlands including hydrology, chemistry, and genesis are discussed. Federal and regional guidelines for wetland soils are covered with an emphasis on validating interpretations through field observations.

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|---|---|---|---|
| 0101 | Martin Rabenhorst | Seats (Total: 14) | |
| | MW 2:00pm - 2:50pm | HJP 1104 | |
| | M 3:00pm - 6:00pm | HJP 0210 | Lab |

**ENST432** **Environmental Microbiology**

**ENST432 Environmental Microbiology; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: BSCI105, CHEM131, and CHEM132. Credit only granted for: ENST432 or ENST499M. Formerly: ENST499M.* Microorganisms are everywhere and mediate many of the processes that we observe everyday. These organisms are the unseen catalysts for numerous industrial processes and are critical to many emerging technologies and novel products. Environmental microbiologists ask: How do microorganisms in the environment benefit society? This course will answer this question by examining microbes in bioremediation, food safety, climate change, and biotechnology.

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| 0101 | Stephanie Yarwood<br>MW 2:00pm - 3:15pm | Seats (Total: 30)<br>HJP 1125 |

**ENST436** **Emerging Environmental Threats**

**ENST436 Emerging Environmental Threats; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENST233; or permission of AGNR-Environmental Science & Technology department.* Examine new and potential environmental concerns in the air, water, soil, space, and the built environment. Emphasis on studying the intrinsic links between ecosystem and human health. Topics will include climate change, resource consumption, biodiversity change, infectious disease, non-traditional pollutants, and other complex and significant environmental concerns.

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| 0101 | Paul Leisnham<br>MWF 12:00pm - 12:50pm | Seats (Total: 35)<br>ANS 0412 |

**ENST440** **Crops, Soils and Civilization**

**ENST440 Crops, Soils and Civilization; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
*Credit only granted for: ENST440 or NRSC440. Formerly: NRSC440.* Role and importance of crop and soil resources in the development of human civilization. History of crop and soil use and management as they relate to the persistence of ancient and modern cultures.

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| 0101 | Dennis Merkel<br>MWF 11:00am - 11:50am | Seats (Total: 42)<br>PLS 1119 |

**ENST443** **Industrial Ecology**

**ENST443 Industrial Ecology; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: MATH140 or MATH220; and BSCI361. Or permission of AGNR-Environmental Science & Technology department. Also offered as: ENST643. Credit only granted for: ENST443, ENST643, or MEES698J.* Problems of waste management and recycling in human societies are covered. The industrial ecology approach to design is contrasted with analogous patterns and processes from natural ecosystems.

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|---|---|---|
| 0101 | Patrick Kangas | Seats (Total: 20) |
| | M 11:00am - 12:15pm | ANS 0422 |
| | W 11:00am - 12:15pm | ANS 0538 |

**ENST445** **Ecological Risk Assessment**

**ENST445 Ecological Risk Assessment; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENST333, BSCI361, and BIOM301; or permission of AGNR-Environmental Science & Technology department.* Assessment of ecological impacts of perturbations on natural systems. Course will describe quantitative methods for estimating environmental impacts by extrapolating from laboratory and field data. The role of regulatory agencies and implications of scientific uncertainty on risk management will be covered.

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|---|---|---|
| 0101 | Daniel Fisher, Wendy Hillwalker | Seats (Total: 30) |
| | TuTh 5:00pm - 6:15pm | ANS 0412 |

**ENST451** **Water Quality: Field and Lab Analysis Methods**

**ENST451 Water Quality: Field and Lab Analysis Methods; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: CHEM131 and CHEM132. And CHEM104; or (CHEM231 and CHEM232). Credit only granted for: ENBE451, ENST451, or NRMT451. Formerly: NRMT451.* Hands-on experience with techniques for assessing physical, chemical, and biological characteristics of surface waters, including streams, lakes, and wetlands. Emphasis is placed on understanding effects of water quality on ecosystem structure and function.

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| 0101 | Peter May | Seats (Total: 20) | |
| | W 2:00pm - 3:00pm | ANS 0538 | |
| | M 2:00pm - 6:00pm | ANS 0538 | Lab |

**ENST452** **Wetland Creation and Restoration**

**ENST452 Wetland Creation and Restoration; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: BSCI106; and (BSCI362, ENST450, or MEES650). Or permission of AGNR-Environmental Science & Technology department. Also offered as: MEES652, ENST652. Credit only granted for: ENST452, ENST652, or MEES652.* Design, construction, and evaluation of wetlands restored or created for ecosystem enhancement or mitigation. Topics will include ecological restoration theory, goal-setting, practices for establishing wetland hydrology, substrate, and vegetation, and restored ecosystem monitoring and functional assessment. Two mandatory Friday afternoon field trips will be held from 1:00-6:00pm (dates to be announced in class); hip length wading boots are recommended for field trips.

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|---|---|---|
| 0101 | Andrew Baldwin | Seats (Total: 35) |
| | TuTh 2:00pm - 3:15pm | ANS 0412 |

**ENST453** **Watershed Science: Water Balance, Open Channel Flow, and Near Surface Hydrology**

**ENST453 Watershed Science: Water Balance, Open Channel Flow, and Near Surface Hydrology; (3 credits)** Grade Method: REG/P-F/AUD.
*Credit only granted for: ENST453 or ENST653.* Concepts of surface water balance, surface radiative flux, precipitation and evaporation measurements.

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|---|---|---|
| 0101 | Michael Kearney | Seats (Total: 25) |
| | MWF 1:00pm - 1:50pm | ANS 0422 |

**ENST460** **Principles of Wildlife Management**

**ENST460 Principles of Wildlife Management; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Must have completed two semesters of biology laboratory; or permission of AGNR-Environmental Science & Technology department. Credit only granted for: ENST460 or NRMT460. Formerly: NRMT460.* Ecological principles and requirements of wildlife as basis for management, and introduction to the scientific literature. Conflicts in wildlife management, government administration of wildlife resources, legislation, and history of the wildlife management profession.

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|---|---|---|---|
| 0101 | Jennifer Murrow<br>MW 2:00pm - 3:15pm | Seats (Total: 42)<br>ANS 0422 | |

**ENST462** **Field Techniques in Wildlife Management**

**ENST462 Field Techniques in Wildlife Management; (2 credits)** Grade Method: REG/P-F/AUD.
*Recommended: ENST461 and ENST460. Credit only granted for: ENST462, NRMT462, or NRMT489B. Formerly: NRMT462.* Hands-on experience with field techniques in wildlife management focusing on various methods of conducting indices, estimates, and censuses of wildlife populations. Includes capture and handling of amphibians, reptiles, birds, and mammals by use of drift fences, cover boards, mist nets, box traps, and dart guns.

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|---|---|---|---|
| 0101 | Jennifer Murrow<br>M 3:30pm - 7:30pm | Seats (Total: 15)<br>ANS 0422 | Lab |
| 0201 | Jennifer Murrow<br>W 3:30pm - 7:30pm | Seats (Total: 15)<br>ANS 0422 | Lab |

**ENST472** **Capstone II**

**ENST472** *(PermReq)* **Capstone II; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: ENST471. Restriction: Must be in a major within AGNR-Environmental Science & Technology department; and permission of AGNR-Environmental Science & Technology department.* This course is the second in a two-part series. Students will continue work on projects proposed and begun in ENST471. Focus on professional project preparation, presentation, critical evaluation on environmental science research, professional development, and career planning. Students will develop and present original projects and critique projects presented by others.

**Contact department for information to register for this course.**

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**ENST479** **Tropical Ecology and Resource Management**

**ENST479** *(PermReq)* **Tropical Ecology and Resource Management; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: BSCI 106, an introductory economics course, and permission of the department. This is a travel-study course in which a trip to Belize is mandatory. Credit will be granted for only one of the following: ENST 479 or NRMT 479. Formerly NRMT 479.

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| 0101 | Patrick Kangas | Seats (Total: 10) |
| | W 5:00pm - 6:00pm | ANS 1420 |
| | Contact instructor or department for details. | |

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**ENST481** **Ecological Design**

**ENST481 Ecological Design; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MATH220 or MATH140; and (PHYS121 and CHEM131); and (BSCI361; or students who have taken courses with comparable content may contact the department). Or permission of instructor. Restriction: Permission of AGNR-Environmental Science & Technology department. Also offered as: ENST681, MEES681. Credit only granted for: ENST481, ENST681, or MEES681.* An advanced survey course on the field of ecological design. Principles of design are illustrated with case studies from biologically-based waste treatment systems, ecosystem management and sustainable development. Concepts covered include ecology, ecological engineering, nutrient cycling, emergy, lifecycle analysis, and design process. Technologies include treatment wetlands, living machines, anaerobic digestion, rain gardens, bioswales, bioremediation, algal turf scrubbers, and green building design.

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|---|---|---|---|
| 0101 | Stephanie Lansing<br>TuTh 12:30pm - 1:45pm<br>Tu 9:00am - 10:50am | Seats (Total: 20)<br>ANS 0422<br>ANS 0538 | <br><br>Lab |
| 0201 | Stephanie Lansing<br>TuTh 12:30pm - 1:45pm<br>Th 9:00am - 10:50am | Seats (Total: 20)<br>ANS 0422<br>ANS 0538 | <br><br>Lab |

**ENST489** **Field Experience**

**ENST489** *(PermReq)* **Field Experience; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ENST499** **Special Topics in Environmental Science and Technology**

**ENST499** *(PermReq)* **Special Topics in Environmental Science and Technology; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ENST499C** **Special Topics in Environmental Science and Technology; South African Ecology**

**ENST499C** *(PermReq)* **Special Topics in Environmental Science and Technology: South African Ecology; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Mary Ottinger, William Bowerman<br>W 5:00pm - 5:50pm<br>Contact instructor or department for details. | Seats (Total: 9)<br>SYM 0118 |

**ENST499G** **Special Topics in Environmental Science and Technology; Treatment Wetlands**

**ENST499G Special Topics in Environmental Science and Technology: Treatment Wetlands; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH220, and CHEM131 or equivalent; Junior or Senior standing.
Ecological and engineering aspects of treatment wetlands will be explored through design projects and discussion of case studies. Treatment wetlands designed pollutants from various wastewater sources will be the focus. Current research of treatment wetland technologies will also be examined. Field trips will be planned according to students students' schedules.

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| 0101 | Brandon Winfrey<br>TuTh 3:30pm - 4:45pm | Seats (Total: 30)<br>ANS 0422 |

**ENST499X** **Special Topics in Environmental Science and Technology; Soil Science**

**ENST499X** *(PermReq)* **Special Topics in Environmental Science and Technology: Soil Science; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ENST499Y** **Special Topics in Environmental Science and Technology; College Teaching**

**ENST499Y** *(PermReq)* **Special Topics in Environmental Science and Technology: College Teaching; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Raymond Weil<br>Contact instructor or department for details. | Seats (Total: 2) |

**ENST605** **Energy and Environment**

**ENST605 Energy and Environment; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: MATH220; or students who have taken courses with comparable content may contact the department. Also offered as: ENST405. Credit only granted for: ENST405, ENST605, NRMT489Z, or MEES698Z. Formerly: MEES698Z.* Role of energy in environmental and human-dominated systems and their linkage. Discussion of the historical and modern production and consumption of energy. Energy systems simulation modeling, energy analysis and energy auditing. Review of national energy policies and proposed alternatives.

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|---|---|---|---|
| 0101 | David Tilley | Seats (Total: 20) | |
| | Tu 6:30pm - 9:30pm | ANS 0422 | |
| | Contact instructor or department for details. | | |

**ENST608** **Research Methods**
**Contact department for information to register for this course.**

**ENST611** **Advanced Principles of Soil Fertility**

**ENST611 Advanced Principles of Soil Fertility; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ENST200; or students who have taken courses with comparable content may contact the department. Also offered as: ENST411. Credit only granted for: ENST411, NRSC411, or ENST611.* Soil factors affecting plant growth and quality with emphasis on the bio-availability of mineral nutrients. The management of soil systems to enhance plant growth by means of crop rotations, microbial activities, and use of organic and inorganic amendments.

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| 0101 | Raymond Weil | Seats (Total: 7) | |
| | TuTh 12:30pm - 1:45pm | HJP 1104 | |
| | Tu 11:00am - 11:50am | HJP 1129 | Discussion |

**ENST630** **Advanced Wetland Soils**

**ENST630 Advanced Wetland Soils; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ENST200. Credit only granted for: ENST630, ENST403, or NRSC461.* The soils of wetlands including hydrology, biogeochemistry, and pedogenesis, including a focused discussion of current literature. Federal and regional guidelines for wetland soils are covered with an emphasis on validating interpretations through field observations.

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|---|---|---|---|
| 0101 | Martin Rabenhorst | Seats (Total: 6) | |
| | MW 2:00pm - 2:50pm | HJP 1104 | |
| | M 3:00pm - 6:00pm | HJP 0210 | Lab |
| | W 11:00am - 11:50am | HJP 1129 | Discussion |

**ENST643** **Advanced Industrial Ecology**

**ENST643 Advanced Industrial Ecology; (3 credits)** Grade Method: REG/AUD. *Prerequisite: BSCI361; and permission of AGNR-Environmental Science & Technology department. Also offered as: ENST443. Credit only granted for: ENST443 or ENST643.* Problems of waste management and recycling in human societies are covered. The industrial ecology approach to design is contrasted with analogous patterns and processes from natural ecosystems. Also offered as ENST443 and MEES698J.

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|---|---|---|---|
| 0101 | Patrick Kangas | Seats (Total: 20) | |
| | M 11:00am - 12:15pm | ANS 0422 | |
| | W 11:00am - 12:15pm | ANS 0538 | |

**ENST652** **Advanced Wetland Creation and Restoration**

**ENST652 Advanced Wetland Creation and Restoration; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: BSCI106. And BSCI362, ENST450, or MEES650; or permission of AGNR-Environmental Science & Technology department. Also offered as: ENST452, MEES652. Credit only granted for: ENST452, ENST652 or MEES652. Additional information: Two mandatory Friday afternoon field trips will be held from 1:00 - 6:00; hip length wading boots are recommended for field trips.* Design, construction, and evaluation of wetlands restored or created for ecosystem enhancement or mitigation. Topics will include ecological restoration theory, goal-setting, practices for establishing wetland hydrology, substrate, and vegetation, and restored ecosystem monitoring and functional assessment.

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|---|---|---|---|
| 0101 | Andrew Baldwin | Seats (Total: 35) | |
| | TuTh 2:00pm - 3:15pm | ANS 0412 | |

**ENST653** **Advanced Watershed Science: Water Balance, Open Channel Flow, and Near Surface Hydrology**

**ENST653 Advanced Watershed Science: Water Balance, Open Channel Flow, and Near Surface Hydrology; (3 credits)** Grade Method: REG/AUD.
*Credit only granted for: ENST453 or ENST653.* Concepts of surface water balance, surface radiative flux, precipitation and evaporation measurements.

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|---|---|---|
| 0101 | Michael Kearney<br>MWF 1:00pm - 1:50pm<br>Contact instructor or department for details. | Seats (Total: 10)<br>ANS 0422 |

**ENST681** **Advanced Ecological Design**

**ENST681 Advanced Ecological Design; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Must have completed one semester of calculus; and (CHEM131 and PHYS121). Or permission of instructor. Also offered as: ENST481, MEES681. Credit only granted for: ENST481, ENST681, or MEES681.* An advanced survey course on the field of ecological design. Principles of design are illustrated with case studies from biologically-based waste treatment systems, ecosystem management and sustainable development.

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| 0101 | Stephanie Lansing<br>TuTh 11:00am - 12:15pm | Seats (Total: 20)<br>ANS 1420 |

**ENST689A** **Special Topics; From Soil Survey to Soil Science**

**ENST689A Special Topics: From Soil Survey to Soil Science; (2 credits)** Grade Method: REG.
Prerequsites: Graduate standing or permission of instructor. Origins of the soil survey in the United States and its contributions to the development of soil science from 1890 to 1927. Ground breaking contributions will be studied through the reading and discussion of primary historical literature and archival materials.

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| 0101 | Dennis Merkel<br>W 5:00pm - 7:00pm | Seats (Total: 20)<br>HJP 1129 |

**ENST689B** **Special Topics; Algal Ecology**

**ENST689B Special Topics: Algal Ecology; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Patrick Kangas<br>Contact instructor or department for details. | Seats (Total: 1) |

**ENST689X** **Special Topics; Methods in University Teaching**

**ENST689X** *(PermReq)* **Special Topics: Methods in University Teaching; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Raymond Weil | Seats (Total: 2) | |
| | Contact instructor or department for details. | | |

**ENST702** **Environmental Science and Technology: Communication and Pro fessional Development**

**ENST702 Environmental Science and Technology: Communication and Pro fessional Development; (2 credits)** Grade Method: REG/AUD.
*Restriction: Must be in Environmental Sci & Tech program; or permission of instructor.*
Training in communication and professional development to prepare students to succeed in careers within the fields of environmental science and technology. Topics will include manuscript and technical writing, job search, communication with academic and non-academic audiences, multi-disciplinary collaboration, management (project, personnel, time), professionalism, leadership, ethics, and career opportunities. Course emphasizes practical training through facilitated discussions and critique practicums.

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|---|---|---|---|
| 0101 | Brian Needelman | Seats (Total: 25) | |
| | W 3:00pm - 3:50pm | ANS 1420 | |
| | F 2:00pm - 4:00pm | ANS 1420 | Discussion |

**ENST789** **Advances in Research**
**Contact department for information to register for this course.**

**ENST798** **Graduate Seminar**

**ENST798 Graduate Seminar; (1 credit)** Grade Method: REG/AUD.

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|---|---|---|---|
| 0101 | Martin Rabenhorst, Paul Leisnham | Seats (Total: 40) | |
| | W 4:00pm - 4:50pm | ANS 0408 | |

**ENST799** **Master's Thesis Research**

**ENST799 Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**ENST898** **Pre-Candidacy Research**

**ENST898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**ENST899** **Doctoral Dissertation Research**

**ENST899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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## ENTM Entomology Spring 2013

**ENTM612** **Insect Ecology**

**ENTM612 Insect Ecology; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Permission of CMNS-Entomology department; or must have completed a course in general ecology.* An advanced course in population and community ecology, plant-insect interactions, and insect biogeography. Emphasis on current entomological literature.

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| 0101 | Daniel Gruner | Seats (Total: 30) |
| | TuTh 9:30am - 10:45am | PLS 1115 |

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**ENTM788C** **Entomological Topics; Colloquium**

**ENTM788C Entomological Topics: Colloquium; (1-3 credits)** Grade Method: REG/AUD.

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| 0101 | Michael Raupp, Michael Ma | Seats (Total: 75) |
| | F 12:00pm - 1:50pm | PLS 1130 |

**ENTM798L** **Topic Seminar; Chemical Ecology of ABC Transporters**

**ENTM798L Topic Seminar: Chemical Ecology of ABC Transporters; (1 credit)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | David Hawthorne | Seats (Total: 15) |
| | Contact instructor or department for details. | |

**ENTM798N** **Topic Seminar; Larval Taxonomy**

**ENTM798N Topic Seminar: Larval Taxonomy; (1 credit)** Grade Method: REG/AUD.

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| 0101 | Michael Raupp | Seats (Total: 15) |
| | Contact instructor or department for details. | |

**ENTM798X** **Topic Seminar; Animal Ethics**

**ENTM798X Topic Seminar: Animal Ethics; (1 credit)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Jerome Regier | Seats (Total: 15) |
| | Contact instructor or department for details. | |

**ENTM799** **Master's Thesis Research**

**ENTM799 Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ENTM898** **Pre-Candidacy Research**

**ENTM898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ENTM899** **Doctoral Dissertation Research**

**ENTM899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# ENTS Telecommunications Spring 2013

**ENTS625** **Management and Organizational Behavior in the Telecommunications Industry**

**ENTS625 Management and Organizational Behavior in the Telecommunications Industry; (3 credits)** Grade Method: REG/AUD.
Roles of the general manager in: determining target markets and designing strategies for them; formulating and implementing corporate and business level strategies; and staffing, developing, and managing human resources and coordinating them with the organization's financial and physical resources. Also emphasizes the building of interpersonal skills with respect to the selection of members for work teams and team formation, leadership of teams toward the achievement of strategic goals and total quality, the development and motivation of team members, and the evaluation of team and individual performance.

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|---|---|---|
| 0101 | David Kressler<br>Th 2:00pm - 4:45pm | Seats (Total: 40)<br>SQH 1121 |
| 0201 | David Kressler<br>Th 5:30pm - 8:15pm | Seats (Total: 40)<br>SQH 1121 |

**ENTS629B** **Special Topics in Cybersecurity; Cryptography and Network Security**

**ENTS629B Special Topicsl in Cybersecurity: Cryptography and Network Security; (3 credits)** Grade Method: REG/AUD.
Click here for more course information.

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| 0101 | Krishnan Balakrishnan<br>F 5:30pm - 8:15pm | Seats (Total: 30)<br>EGR 0135 |

**ENTS630** **The Economics of International Telecommunications**

**ENTS630 The Economics of International Telecommunications; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in Telecommunications (Master's) program.* Basic microeconomic principles used by telecommunications firms, including supply and demand, elasticity, costs, productivity, pricing, market structure and competitive implications of alternative market structures. Market failures and government intervention. Public policy processes affecting business operations.

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| 0101 | Jahangir Boroumand<br>Tu 5:30pm - 8:15pm | Seats (Total: 36)<br>VMH 1418 |
| 0201 | Jahangir Boroumand<br>Tu 2:00pm - 4:45pm | Seats (Total: 36)<br>PHY 1201 |

**ENTS632** **Telecommunications Marketing Management**

**ENTS632 Telecommunications Marketing Management; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in Telecommunications (Master's) program.* Topics covered include strategic marketing, sales and customer service challenges confronting organizations in the computer, communications and media industries. The course also addresses volatile technology, regulatory and competitive environments as a backdrop to strategic planning and management in the marketing domain.

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| 0101 | Janet Wagner<br>W 5:30pm - 8:15pm | Seats (Total: 40)<br>VMH 1206 |
| 0201 | Janet Wagner<br>W 2:00pm - 4:45pm | Seats (Total: 40)<br>SQH 2117 |

**ENTS635** **Decision Support Methods for Telecommunication Managers**

**ENTS635 Decision Support Methods for Telecommunication Managers; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ENEE324 and MATH241; or students who have taken courses with comparable content may contact the department. Restriction: Must be in Telecommunications (Master's) program.* The aim of this course is to introduce management science techniques for informed decision making. Topics covered can include data analysis and regression, optimization models and applications (workforce scheduling, manufacturing, network design, facility location), sensitivity analysis, decision trees, risk analysis and business simulation models. Emphasis will be on telecommunications managerial problems, model development and the use of software packages for decision support.

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| 0101 | Bellur Srikar<br>M 5:30pm - 8:15pm | Seats (Total: 40)<br>VMH 1206 |

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| 0201 | Bellur Srikar<br>M 2:00pm - 4:45pm | Seats (Total: 40)<br>SQH 1103 |

**ENTS641** **Networks and Protocols II**

**ENTS641 Networks and Protocols II; (3 credits)** Grade Method: REG/AUD. *Prerequisite: ENTS640. Restriction: Must be in Telecommunications (Master's) program.* Techniques for the specification, design, analysis, verification and testing of communication protocols are discussed. The course includes detailed discussion on routing protocols in the Internet. This includes Routing Information Protocol (RIP), Enchanced Interior Gateway Routing Protocol (EIGRP). Open Shortest Path First (OSPF), and Border Gateway Protocol (BGP4).

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| 0101 | Mehdi Kalantari Khandani<br>Th 5:30pm - 8:15pm | Seats (Total: 40)<br>CSI 2107 |
| 0201 | Mehdi Kalantari Khandani<br>Th 2:00pm - 4:45pm | Seats (Total: 40)<br>KEY 1117 |

**ENTS649A** **Special Topics in Networking; Optical Communication Networks**

**ENTS649A Special Topics in Networking: Optical Communication Networks; (3 credits)** Grade Method: REG/AUD.
Click here for further course information.

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| 0101 | Reza Eftekari<br>F 9:00am - 11:45am | Seats (Total: 30)<br>EGR 3106 |

**ENTS654** **Optimization and Analysis of GSM Networks**

**ENTS654 Optimization and Analysis of GSM Networks; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: ENTS656 or ENTS653; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in Telecommunications (Master's) program. Credit only granted for: ENTS654 or ENTS689B.* The techniques needed to successfully optimize a functioning GSM networkwill be examined. Students will conduct extensive drive tests of a working network in the Washington DC area using state-of-the-art drive test equipment and will analyze the recorded data with post-processing analysis tools. Also, they will learn to recognize problems based on network behaviors and what courses of action are available to correct them. Lab work and data collection will constitute a majority of the class work.

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| 0101 | Michael Dellomo<br>W 5:30pm - 8:15pm<br>Th 3:00pm - 5:00pm | Seats (Total: 15)<br>EGR 1108<br>AVW 1458 | <br><br>Lab |

**ENTS656** **Introduction to Cellular Communication Networks**

**ENTS656 Introduction to Cellular Communication Networks; (3 credits)** Grade Method: REG/AUD.
Concepts and techniques involved in wireless digital communications with emphasis on cellular and PCS systems. Properties of Mobile radio channels; intersymbol interference, multipath, and fading effects; interleaving and diversity; multiple access schemes (TDMA, FDMA, CDMA); interuser interference, traffic issues, and cell capacity; power control strategies; frequency reuse and channel assignment; handoff, paging, and location update; cell layout; introduction to cellular and PCS standards.

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| 0101 | Zoltan Safar<br>Tu 5:30pm - 8:15pm<br>W 5:30pm - 8:15pm | Seats (Total: 20)<br>CHE 2108<br>AVW 1458 | <br><br>Lab |
| 0102 | Zoltan Safar<br>Tu 5:30pm - 8:15pm<br>W 2:00pm - 4:45pm | Seats (Total: 20)<br>CHE 2108<br>AVW 1458 | <br><br>Lab |

**ENTS659B** **Special Topics in Communications; Microwave Radio Communications Systems**

**ENTS659B Special Topics in Communications: Microwave Radio Communications Systems; (3 credits)** Grade Method: REG/AUD.
Click here for more course information.

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|---|---|---|
| 0101 | Michael Dellomo, Rikin Thakker<br>F 2:00pm - 4:45pm | Seats (Total: 24)<br>EGR 1102 |

**ENTS689G** **Special Topics in Telecommunications; Design and Analysis of Communication Networks**

**ENTS689G Special Topics in Telecommunications: Design and Analysis of Communication Networks; (3 credits)** Grade Method: REG/AUD.
Please click here for further course information.

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| 0101 | Majid Raissi-Dehkordi<br>M 5:30pm - 8:15pm | Seats (Total: 30)<br>EGR 0135 |

**ENTS689K** **Special Topics in Telecommunications; Telecommunications Entrepreneurial Practicum**

**ENTS689K** *(PermReq)* **Special Topics in Telecommunications: Telecommunications Entrepreneurial Practicum; (3 credits)** Grade Method: REG/AUD.
Please click here for further course information.

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| 0201 | Michael Dellomo<br>Contact instructor or department for details. | Seats (Total: 3) |

**ENTS689L** **Special Topics in Telecommunications; Cellular Network Infrastructure- Cell Site Design and Components**

**ENTS689L Special Topics in Telecommunications: Cellular Network Infrastructure- Cell Site Design and Components; (3 credits)** Grade Method: REG/AUD.
Click here for further course information.

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| 0101 | Rikin Thakker<br>F 5:30pm - 8:15pm | Seats (Total: 30)<br>EGR 0108 |

**ENTS689V** **Special Topics in Telecommunications; Voice over Internet Protocol (VoIP)**

**ENTS689V Special Topics in Telecommunications: Voice over Internet Protocol (VoIP); (3 credits)** Grade Method: REG/AUD.
Click here for further course information.

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| 0101 | Qinqing Zhang<br>F 5:30pm - 8:15pm | Seats (Total: 30)<br>EGR 2154 |

**ENTS699** **Independent Study in Telecommunications**

**ENTS699** *(PermReq)* **Independent Study in Telecommunications; (1 credit)** Grade Method: REG/AUD.

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| 0101 | Kamran Etemad<br>F 5:00pm - 7:45pm | Seats (Total: 20)<br>CSS 2416 |

**ENTS759A** **Advanced Topics in Communications; 3G/4G Wireless Networks and Systems**

**ENTS759A Advanced Topics in Communications: 3G/4G Wireless Networks and Systems; (3 credits)** Grade Method: REG/AUD.
Click here for further course information.

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| 0101 | Kamran Etemad<br>F 2:00pm - 4:45pm | Seats (Total: 25)<br>CSS 2416 |

**ENTS759B** **Advanced Topics in Communications; Wireless OFDM Systems**

**ENTS759B Advanced Topics in Communications: Wireless OFDM Systems; (3 credits)** Grade Method: REG/AUD.
Click here for further course information.

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|---|---|---|
| 0101 | Alejandra Mercado<br>Tu 2:00pm - 4:45pm | Seats (Total: 30)<br>CHE 2145 |
| 0201 | Alejandra Mercado<br>W 2:00pm - 4:45pm | Seats (Total: 30)<br>EGR 3106 |

# EPIB Epidemiology and Biostatistics Spring 2013

**EPIB610** **Foundations of Epidemiology**

**EPIB610** *(PermReq)* **Foundations of Epidemiology; (3 credits)** Grade Method: REG/AUD.
*Credit only granted for: EPIB610 or HLTH720. Formerly: HLTH720.* Introduction to the discipline of epidemiology and its applications to health issues and practices. Basic epidemiologic concepts and methods will be covered.

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| 0101 | Olivia Carter-Pokras | Seats (Total: 30) |
| | Th 4:00pm - 6:45pm | SPH 0307 |

**EPIB611** **Intermediate Epidemiology**

**EPIB611** *(PermReq)* **Intermediate Epidemiology; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: EPIB610.* Analysis of epidemiologic methods as applied to epidemiologic research, analysis of bias, confounding, effect modification issues, overview of design, implementation, and analysis of epidemiologic studies.

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|---|---|---|
| 0101 | Sunmin Lee | Seats (Total: 20) |
| | Th 4:00pm - 6:45pm | SPH 0301 |

**EPIB612** **Epidemiologic Study Design**

**EPIB612** *(PermReq)* **Epidemiologic Study Design; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: EPIB650, EPIB610, and EPIB611.* Application of epidemiologic study designs, analytic methods used for analysis of cohort, case-control, cross-sectional, and clinical trials research.

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| 0101 | Hongjie Liu | Seats (Total: 20) |
| | F 1:00pm - 3:45pm | SPH 0305 |

**EPIB620** **Chronic Disease Epidemiology**

**EPIB620** *(PermReq)* **Chronic Disease Epidemiology; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: EPIB610.* Overview of prevalence and risk factors for major chronic diseases. Discussion of methodological issues unique to specific chronic disease.

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| 0101 | Olivia Carter-Pokras | Seats (Total: 22) |
| | Tu 4:00pm - 6:45pm | SPH 0308 |

**EPIB641** **Public Health and Research Ethics**

**EPIB641** *(PermReq)* **Public Health and Research Ethics; (1 credit)** Grade Method: REG/AUD.
Overview and discussion of ethical issues that face public health practitioners and researchers. Also offered as KNES689Y.

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|---|---|---|
| 0101 | Dushanka Kleinman | Seats (Total: 30) |
| | **Meets January 23, 2013 - March 16, 2013** | |
| | F 11:00am - 12:50pm | SPH 0305 |

**EPIB650** **Biostatistics I**

**EPIB650** *(PermReq)* **Biostatistics I; (3 credits)** Grade Method: REG/AUD.
*Credit only granted for: EPIB650, HLTH651, or HLTH688B. Formerly: HLTH651 and HLTH688B.* Basic statistical concepts and procedures for Public Health. Focuses on applications, hands-on-experience, and interpretations of statistical findings.

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| 0101 | Xin He | Seats (Total: 30) |
| | W 7:00pm - 9:45pm | SPH 1301 |

**EPIB651** **Biostatistics II**

**EPIB651** *(PermReq)* **Biostatistics II; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: EPIB650. Recommended: EPIB698C (SAS Basics).* Introduction to a variety of statistical tools with applictions in public health, including one- and two-sample inference, nonparametric methods, categorical data, ANOVA, simple and mutiple regression.

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| 0101 | Shuo Chen | Seats (Total: 20) |
| | W 4:00pm - 6:45pm | SPH 0307 |

**EPIB653** **Survival Data Analysis**

**EPIB653** *(PermReq)* **Survival Data Analysis; (3 credits)** Grade Method: REG/AUD. *Prerequisite: EPIB650 and EPIB651.* Overview of statistical methods for anlayzing censored survival data, including the Kaplan-Meier estimator and the log-rank test.

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| 0101 | Xin He | Seats (Total: 25) |
| | W 4:00pm - 6:45pm | SPH 1301 |

**EPIB698D** **Special Topics in Epidemiology and Biostatistics; Advanced SAS**

**EPIB698D** *(PermReq)* **Special Topics in Epidemiology and Biostatistics: Advanced SAS; (2 credits)** Grade Method: REG/AUD.
Focuses on advanced SAS programming. It is designed for students who already know the basics of SAS and now want to extend their knowledge of it to topics such as ANOVA, Collinearity and Normality Tests and SAS macros. Each session will be divided in two parts, first a brief introduction to the topic at hand and its SAS implementation will be presented, followed by a hands-on exercise.

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| 0101 | Raul Cruz-Cano | Seats (Total: 15) |
| | W 1:30pm - 3:30pm | SPH 0301 |

**EPIB785** **Internship in Public Health**

**EPIB785** *(PermReq)* **Internship in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: Permission of SPHL-Epidemiology & Biostatistics department.* Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

**Contact department for information to register for this course.**

**EPIB786** **Capstone Project in Public Health**

**EPIB786** *(PermReq)* **Capstone Project in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: Permission of SPHL-Epidemiology & Biostatistics department.* Capstone experience providing opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

**Contact department for information to register for this course.**

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**EPIB788** **Critical Readings in Epidemiology and Biostatistics**

**EPIB788** *(PermReq)* **Critical Readings in Epidemiology and Biostatistics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**EPIB798** **Independent Study**

**EPIB798** *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**EPIB799** **Master's Thesis Research**

**EPIB799** *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**EPIB898** **Pre-Candidacy Research**

**EPIB898** *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**EPIB899** **Doctoral Dissertation Research**

**EPIB899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# FILM Film Studies Spring 2013

**FILM245** **Film Form and Culture**

**FILM245 Film Form and Culture; (3 credits)** Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities. *Restriction: Must not have completed ENGL245. Also offered as: ENGL245. Credit only granted for: CMLT214, CMLT245, ENGL245, or FILM245. Formerly: CMLT214.* Introduction to film as art form and how films create meaning. Basic film terminology; fundamental principles of film form, film narrative, and film history. Examination of film technique and style over past one hundred years. Social and economic functions of film within broader institutional, economic, and cultural contexts.

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| 0101 | Kelly Singleton<br>TuTh 12:30pm - 1:45pm<br>Tu 6:10pm - 8:40pm | Seats (Total: 30)<br>SQH 1103<br>TWS 1100 | <br><br>Lab |
| 0201 | Marit Knollmueller<br>MW 2:00pm - 3:15pm<br>M 3:30pm - 6:00pm | Seats (Total: 30)<br>TWS 0234<br>TWS 1100 | <br><br>Lab |
| 0301 | Marit Knollmueller<br>MW 11:00am - 12:15pm<br>M 3:30pm - 6:00pm | Seats (Total: 30)<br>TWS 1107<br>TWS 1100 | <br><br>Lab |
| 0401 | Paul Cote<br>TuTh 3:30pm - 4:45pm<br>Th 5:00pm - 7:30pm | Seats (Total: 30)<br>TWS 1107<br>TWS 1100 | <br><br>Lab |

**FILM302** **Cinema History II: The Sound Era**

**FILM302 Cinema History II: The Sound Era; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ENGL245, FILM245, SLLC283, or FILM283; or permission of ARHU-School of Languages, Literatures, and Cultures department.* Introduction to the international history of cinema from sound around 1930 to the present.

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| 0101 | Luka Arsenjuk | Seats (Total: 30) | |
| | MW 2:00pm - 3:15pm | HBK 0302H | |
| | M 3:30pm - 5:30pm | HBK 0302H | |

**FILM319N** **Special Topics in Documentary, Animation, Experimental Cinema, and Other Visual Media; Display Cultures in Literature and Film**

**FILM319N Special Topics in Documentary, Animation, Experimental Cinema, and Other Visual Media: Display Cultures in Literature and Film; (3 credits)**
Grade Method: REG/P-F/AUD.
Prerequisites: ENGL245, FILM245, SLLC283, or FILM283; or permission of program.
Also offered as ENGL329N.

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|---|---|---|---|
| 0101 | Caitlin McGrath | Seats (Total: 30) | |
| | TuTh 2:00pm - 3:15pm | SQH 2121 | |

**FILM359P** **Special Topics in Genres/Auteurs/Cinema Movements; The Films of Martin Scorsese**

**FILM359P Special Topics in Genres/Auteurs/Cinema Movements: The Films of Martin Scorsese; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENGL245 or FILM245; or permission of ARHU-English department.
Repeatable to 9 credits if content differs. Also offered as ENGL329P.

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| 0101 | Marianne Conroy | Seats (Total: 30) | |
| | TuTh 11:00am - 12:15pm | SQH 2117 | |

**FILM429F** **Special Topics in National/International Cinemas; The Americas in Film**

**FILM429F Special Topics in National/International Cinemas: The Americas in Film; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENGL245, FILM245, SLLC283, or FILM283; or permission of program.
Also offered as ENGL468F and CMLT498F.

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| 0101 | Regina Harrison | Seats (Total: 25) | |
| | MW 12:30pm - 1:45pm | HBK 0302H | |
| | M 3:30pm - 6:00pm | SQH 2122 | Lab |

**FILM459E** **Special Topics in Genres/Auteurs/Cinema Movements; Fantastic Voyages: Cinema and Exploration**

**FILM459E Special Topics in Genres/Auteurs/Cinema Movements: Fantastic Voyages: Cinema and Exploration; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Oliver Gaycken | Seats (Total: 25) | |
| | MW 2:00pm - 3:15pm | KEY 0120 | |
| | W 3:30pm - 5:30pm | KEY 0120 | Lab |

**FILM469A** **Special Topics in Film Theories II; The Violence of Cinema**

**FILM469A Special Topics in Film Theories II: The Violence of Cinema; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: ENGL245, FILM245, SLLC283, or FILM283; or permission of program.
Also offered as SLLC468A.

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| 0101 | Luka Arsenjuk | Seats (Total: 30) |
| | MW 10:00am - 11:50am | HBK 0302J |

**FILM499** **Directed Study in Film Studies**

**FILM499** *(PermReq)* **Directed Study in Film Studies; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# FMSC Family Science Spring 2013

**FMSC260** **Couple Relationships**

**FMSC260 Couple Relationships; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences.
*Credit only granted for: FMSC260 or FMST260. Formerly: FMST260.* Couple relationships and their alternatives in contemporary dating, courtship and marriage.

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| 0101 | Patricia Fanflik | Seats (Total: 65) |
| | TuTh 2:00pm - 3:15pm | SPH 1303 |

**FMSC289G** **Global Child and Family Health: Getting There Via E-Communications**

**FMSC289G Global Child and Family Health: Getting There Via E-Communications; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

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| 0101 | Jacqueline Wallen | Seats (Total: 65) |
| | MWF 2:00pm - 2:50pm | SPH 1303 |

**FMSC290** **Family Economics**

**FMSC290 Family Economics; (3 credits)** Grade Method: REG/P-F/AUD.
*Credit only granted for: FMSC290 or FMST290. Formerly: FMST290.* Application of economic methodology to study families under various economic situations. Examination of how decisions about marriage, divorce, fertility, consumption and time use are influenced by labor/housing markets, tax structure, social welfare benefits and other economic considerations.

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| 0101 | Manouchehr Mokhtari | Seats (Total: 70) |
| | TuTh 5:00pm - 6:15pm | SPH 1312 |

**FMSC302** **Research Methods in Family Science**

**FMSC302 Research Methods in Family Science; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Scholarship in Practice.
*Prerequisite: Must have completed an introductory statistics course. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC302 or FMST302. Formerly: FMST302.* Introduction to the methods of the social and behavioral sciences employed in family science. The role of theory, the development of hypotheses, measurement, design, and data analysis.

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| 0101 | Lauren Doamekpor | Seats (Total: 75) |
| | TuTh 9:30am - 10:45am | SPH 1303 |

**FMSC330** **Family Theories and Patterns**

**FMSC330 Family Theories and Patterns; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
*Restriction: Junior standing or higher. Credit only granted for: FMSC330 or FMST330. Formerly: FMST330.* Theory and research on the family, including a cross-cultural analysis of family patterns.

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| 0101 | Robyn Zeiger<br>MWF 12:00pm - 12:50pm | Seats (Total: 65)<br>SPH 1303 |
| 0201 | Mia Smith-Bynum<br>TuTh 9:30am - 10:45am | Seats (Total: 65)<br>SPH 1301 |
| 0301 | Mia Smith-Bynum<br>TuTh 8:00am - 9:15am | Seats (Total: 65)<br>SPH 1301 |

**FMSC332** **Children in Families**

**FMSC332 Children in Families; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences.
*Prerequisite: PSYC100 or FMSC105. Credit only granted for: FMSC332 or FMST332. Formerly: FMST332.* A family life education approach to the study of children and families. Emphasis on the interaction of children with parents, siblings, extended kin, and the community.

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| 0101 | Amanda Ginter<br>TuTh 9:30am - 10:45am | Seats (Total: 60)<br>CSI 2117 |
| 0201 | Lauren Messina<br>TuTh 12:30pm - 1:45pm | Seats (Total: 60)<br>SPH 1301 |
| 0301 | Tiffani Stevenson Lloyd<br>MWF 10:00am - 10:50am | Seats (Total: 60)<br>SPH 1301 |
| 0401 | Christine Schull<br>MWF 8:00am - 8:50am | Seats (Total: 60)<br>SPH 1301 |

**FMSC341** **Personal and Family Finance**

**FMSC341 Personal and Family Finance; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
*Credit only granted for: FMSC341 or FMST341. Formerly: FMST341.* Individual and family financial strategies with emphasis on financial planning, savings, investments, insurance, income taxes, housing, and use of credit. Planning, analyzing, and controlling financial resources to resolve personal/family financial problems and to attain financial security.

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| 0101 | Manouchehr Mokhtari<br>TuTh 6:30pm - 7:45pm | Seats (Total: 60)<br>SPH 1312 |
| SG91 | William Knight<br>M 2:00pm - 3:15pm<br>Class time/details on ELMs | Seats (Total: 60)<br>Location: TBA<br>ONLINE |
| | *Restricted to Fall 2012 BMGT-Shady Grove cohort students majoring in Accounting, International Business, Marketing and to Fall 2011 BMGT-Shady Grove cohort students majoring in Management. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | |

**FMSC381** **Poverty, Affluence, and Families**

**FMSC381 Poverty, Affluence, and Families; (3 credits)** Grade Method: REG/P-F. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
*Prerequisite: SOCY100 or SOCY105. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC381 or FMST381. Formerly: FMST381.* Social, political, cultural and economic factors influencing income and wealth in American families.

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| 0101 | Stephanie Grutzmacher<br>MWF 9:00am - 9:50am | Seats (Total: 60)<br>SPH 1301 |
| 0201 | Damian Waters<br>TuTh 3:30pm - 4:45pm | Seats (Total: 60)<br>SPH 1301 |

**FMSC383** **Delivery of Human Services to Families**

**FMSC383 Delivery of Human Services to Families; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: FMSC330. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC383 or FMST383. Formerly: FMST383.* Processes of service delivery with special emphasis upon relationships among managers, service providers and clients. The impact of human service systems on families.

| | | |
|---|---|---|
| 0101 | Marian Jones | Seats (Total: 65) |
| | MWF 11:00am - 11:50am | SPH 1303 |

**FMSC399** **Independent Study**

**FMSC399** *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**FMSC431** **Family Crises and Intervention**

**FMSC431 Family Crises and Intervention; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PSYC100. Credit only granted for: FMSC431 or FMST431. Formerly: FMST431.* Family crises such as divorce, disability, substance abuse, financial problems, intra-familial abuse, and death. Theories and techniques for intervention and enhancement of family coping strategies.

| | | |
|---|---|---|
| 0101 | Robyn Zeiger | Seats (Total: 50) |
| | MWF 1:00pm - 1:50pm | SPH 0302 |

**FMSC432** **Adult Development and Aging in Families**

**FMSC432 Adult Development and Aging in Families; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PSYC100; and (SOCY100 or SOCY105). And FMSC332; or must have completed a comparable development course. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC432 or FMST432. Formerly: FMST432.* Theory, research, history, and programming related to adult development and aging in the intergenerational context of family.

| | | |
|---|---|---|
| 0101 | Jacqueline Wallen<br>MWF 11:00am - 11:50am | Seats (Total: 50)<br>SPH 0302 |
| 0201 | Jacqueline Wallen<br>MWF 1:00pm - 1:50pm | Seats (Total: 50)<br>SPH 1302 |

**FMSC460** **Violence in Families**

**FMSC460 Violence in Families; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
*Prerequisite: SOCY100, SOCY105, or PSYC100. Credit only granted for: FMSC460 or FMST460. Formerly: FMST460.* Theories of child, spouse, and elder abuse in the family setting. Emphasis on historical, psychological, sociological and legal trends relating to physical, emotional, and sexual abuse. Introduction to methods for prevention and remediation.

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|---|---|---|
| 0101 | Christine Schull<br>MWF 9:00am - 9:50am | Seats (Total: 60)<br>SPH 1303 |

**FMSC477** **Internship and Analysis in Family Science**

**FMSC477** *(PermReq)* **Internship and Analysis in Family Science; (3 credits)** Grade Method: REG.
*Prerequisite: FMSC383; and 9 credits in FMSC courses; and permission of SPHL-Family Science department. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC477, FMST347, or FMST477. Formerly: FMST477.* A supervised internship and a seminar requiring analysis. Opportunities to integrate theory and practice including 120 hours of contracted field experience. Summer or fall internship contracts due May 1; Spring contracts due December 1. See department for application procedures. Click here for Application Deadlines and additional details..

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|---|---|---|
| 0101 | Sherylls Kahn<br>W 3:30pm - 5:00pm<br>Contact instructor or department for details. | Seats (Total: 90)<br>TWS 1100 |

**FMSC487** **Legal Aspects of Family Problems**

**FMSC487 Legal Aspects of Family Problems; (3 credits)** Grade Method: REG/P-F/AUD.
*Credit only granted for: FMSC487 or FMST487. Formerly: FMST487.* Laws and legal procedures, with emphasis on adoption, marriage, divorce, annulment, and property rights, and how they affect family life.

| | | |
|---|---|---|
| 0101 | Kerry Tripp | Seats (Total: 65) |
| | TuTh 11:00am - 12:15pm | SPH 1303 |

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**FMSC498** **Special Topics: Family Science; Family Studies**

**FMSC498** *(PermReq)* **Special Topics: Family Science: Family Studies; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**FMSC498A** **Special Topics: Family Science; Maternal and Child Health**

**FMSC498A Special Topics: Family Science: Maternal and Child Health; (3 credits)** Grade Method: REG/P-F/AUD.
Overview of major issues, policies, and programs related to the health of women, children, and their families in the United States. Review of social, political, and economic determinants of maternal and child health and health disparities. Use of epidemiological methods and data to identify best practices for guiding maternal and child health policy and practice.

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|---|---|---|
| 0101 | Edmond Shenassa | Seats (Total: 50) |
| | TuTh 3:30pm - 4:45pm | SPH 0302 |

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**FMSC498H** **Special Topics: Family Science; Family Studies Honors Thesis**

**FMSC498H** *(PermReq)* **Special Topics: Family Science: Family Studies Honors Thesis; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**FMSC498M** **Special Topics: Family Science; Theory and Techniques of Family Mediation**

**FMSC498M Special Topics: Family Science: Theory and Techniques of Family Mediation; (3 credits)** Grade Method: REG/P-F/AUD.
Introduction to family mediation as an approach to helping families deal effectively with the issues associated with separation and divorce. Theo ry, practice, and techniques of negotiation, with an emphasis on custody , property division, and constructive restructuring of family relationsh ips.

| | | |
|---|---|---|
| 0101 | Kerry Tripp | Seats (Total: 40) |
| | Th 12:30pm - 3:15pm | SPH 1302 |

**FMSC610** **Research Methods in Family Studies**

**FMSC610 Research Methods in Family Studies; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: EDMS645; or students who have taken courses with comparable content may contact the department. Credit only granted for: FMSC610 or FMST610. Formerly: FMST610.* Research methods in family science. The role of theory, design, use of qualitative and quantitative measurement techniques, data collection and data analysis. Development of research proposals.

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|---|---|---|
| 0101 | Norman Epstein | Seats (Total: 15) |
| | Th 1:00pm - 3:45pm | Location: TBA |

**FMSC647** **Theory and Techniques of Family Mediation**

**FMSC647 Theory and Techniques of Family Mediation; (3 credits)** Grade Method: REG/AUD.
*Credit only granted for: FMSC647 or FMST647. Formerly: FMST647.* An introduction to family mediation as an approach to helping families deal effectively with the issues associated with separation and divorce. Theory, practice, and techniques of negotiation, with an emphasis on custody, property division, and the constructive restructuring of family relationships.

| | | |
|---|---|---|
| 0101 | Kerry Tripp | Seats (Total: 40) |
| | Th 12:30pm - 3:15pm | SPH 1302 |

**FMSC651** **Psychopathology in the Family Context**

**FMSC651** *(PermReq)* **Psychopathology in the Family Context; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: FMSC650. Restriction: Must be in Couple and Family Therapy (Master's) program. Credit only granted for: FMSC651 or FMST651. Formerly: FMST651.*
Diagnosis and treatment of psychopathology within the family context, with application of various family therapy models.

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|---|---|---|
| 0101 | Lindsey Hoskins<br>Tu 9:00am - 11:45am<br>Contact instructor or department for details. | Seats (Total: 15)<br>Location: TBA |

**FMSC653** **Advanced Application of MFT Models and Techniques**

**FMSC653** *(PermReq)* **Advanced Application of MFT Models and Techniques; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: FMSC652. Restriction: Must be in Couple and Family Therapy (Master's) program. Credit only granted for: FMSC653 or FMST653. Formerly: FMSC653.*
Advanced application and integration of family therapy skills and theoretical models in the practice of marriage and family therapy. Emphasis on treatment plans from different therapeutic models demonstrated in case presentations and supervision of therapy.

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|---|---|---|
| 0101 | Carol Werlinich<br>Tu 9:00am - 11:45am<br>Contact instructor or department for details. | Seats (Total: 15)<br>Location: TBA |

**FMSC658** **Supervised Clinical Practice of Marriage and Family Therapy; Theory and Practice of Clinical Supervision**

**FMSC658** *(PermReq)* **Supervised Clinical Practice of Marriage and Family Therapy: Theory and Practice of Clinical Supervision; (2 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Carol Werlinich<br>W 9:00am - 12:00pm | Seats (Total: 10)<br>Location: TBA |
| 0201 | Leigh Leslie<br>W 9:00am - 12:00pm | Seats (Total: 10)<br>Location: TBA |

**FMSC689** **Independent Study**

**FMSC689** *(PermReq)* **Independent Study; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**FMSC698** **Advanced Topics in Family Science**

**FMSC698** *(PermReq)* **Advanced Topics in Family Science; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Must have written permission of faculty member and chairperson.

**Contact department for information to register for this course.**

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**FMSC698F** **Advanced Topics in Family Science; Preparing Future Faculty and Professionals Seminar**

**FMSC698F** *(PermReq)* **Advanced Topics in Family Science: Preparing Future Faculty and Professionals Seminar; (1-3 credits)** Grade Method: REG. Restrictions: Enrollment in Family Science or Maternal and Child Health Ph.D. Program or by permission of instructor (if outside the FMSC/MCHS d octoral program). Development of skills necessary to obtain and succeed in academic and non-academic positions in family science and public health. Topics include: career mapping, networking, teaching/teaching portfolios, independent research, publishing, grant writing, program and policy evaluation, consulting, job search, interviewing and negotiation, mentoring, diversity, work-family balance, and ethical issues in the workplace. Periodic visits to universities and government/nonprofit employers.

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|---|---|---|
| 0101 | Sally Koblinsky | Seats (Total: 25) |
| | Contact instructor or department for details. | |

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**FMSC699** **Independent Study**

**FMSC699** *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**FMSC730** **Maternal and Family Health in Adulthood and Aging**

**FMSC730 Maternal and Family Health in Adulthood and Aging; (3 credits)** Grade Method: REG/AUD.
*Restriction: Permission of instructor.* Review of key issues on the frontier of maternal and child health research and practice within broad public health and socio-cultural context. Examines current maternal and child health issues such as ethics, child and family health, health and socioeconomic disparities, child nutrition and obesity, military family health, and global health.

| | | |
|---|---|---|
| 0101 | Marian Jones, Sally Koblinsky<br>M 2:00pm - 4:45pm | Seats (Total: 15)<br>Location: TBA |

**FMSC745** **Gender and Ethnicity in Family Therapy and Service Delivery**

**FMSC745** *(PermReq)* **Gender and Ethnicity in Family Therapy and Service Delivery; (3 credits)** Grade Method: REG/AUD.
*Credit only granted for: FMSC745 or FMST745. Formerly: FMST745.* Major critiques of sources of racial, cultural, and gender bias in marital and family therapy and family service delivery. Addresses these issues in program development and clinical practice.

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|---|---|---|
| 0101 | Leigh Leslie<br>Th 9:00am - 11:45am | Seats (Total: 10)<br>Location: TBA |

**FMSC789** **Non-Thesis Research**

**FMSC789** *(PermReq)* **Non-Thesis Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**FMSC799** **Master's Thesis Research**

**FMSC799** *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Must have written permission of faculty member and chairperson.

**Contact department for information to register for this course.**

**FMSC810** **Theory in Family Systems and Family Health**

**FMSC810 Theory in Family Systems and Family Health; (3 credits)** Grade Method: REG/AUD.
*Restriction: Permission of instructor. Credit only granted for: FMSC810, FMST698P, or FMST810. Formerly: FMST810.* Theory and research on family interaction and family coping with normative health and mental health transitins and non-normative crises across the family life cycle. Micro-analysis of family process in communication, decision-making, problem-solving, and compliance to health regimens. Examination of dysfunctional patterns and effective coping strategies.

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|---|---|---|---|
| 0101 | Norman Epstein | Seats (Total: 15) | |
| | Tu 1:00pm - 3:45pm | SPH 1302 | |

**FMSC898** **Pre-Candidacy Research**

**FMSC898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**FMSC899** **Doctoral Dissertation Research**

**FMSC899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# FOLA Foreign Language Spring 2013

**FOLA138R** **Directed Study of a Foreign Language I; Turkish I**

**FOLA138R** *(PermReq)* **Directed Study of a Foreign Language I: Turkish I; (3 credits)** Grade Method: REG/P-F/AUD.

| | | | |
|---|---|---|---|
| 0101 | Naime Yaramanoglu | Seats (Total: 4) | |
| | Th 12:30pm - 2:30pm | JMZ 1226 | Lab |
| | Contact instructor or department for details. | | |
| | Contact instructor or department for details. | | |
| 0201 | Naime Yaramanoglu | Seats (Total: 5) | |
| | W 5:00pm - 6:15pm | JMZ 3122 | Lab |
| | Contact instructor or department for details. | | |

**FOLA139R** **Directed Study of a Foreign Language II; Turkish II**

**FOLA139R** *(PermReq)* **Directed Study of a Foreign Language II: Turkish II; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FOLA138R or consent of program director.

| | | | |
|---|---|---|---|
| 0101 | Naime Yaramanoglu | Seats (Total: 3) | |
| | Contact instructor or department for details.<br>Contact instructor or department for details. | | |
| 0201 | Naime Yaramanoglu | Seats (Total: 2) | |
| | Contact instructor or department for details.<br>Contact instructor or department for details. | | |

**FOLA148R** **Directed Study of a Foreign Language III; Turkish III**

**FOLA148R** *(PermReq)* **Directed Study of a Foreign Language III: Turkish III; (3 credits)** Grade Method: REG/P-F/AUD.

| | | | |
|---|---|---|---|
| 0101 | Naime Yaramanoglu | Seats (Total: 2) | |
| | W 3:30pm - 5:00pm<br>Contact instructor or department for details. | JMZ 1123 | Lab |

**FOLA149R** **Directed Study of a Foreign Language IV; Turkish IV - Intermediate**

**FOLA149R** *(PermReq)* **Directed Study of a Foreign Language IV: Turkish IV - Intermediate; (3 credits)** Grade Method: REG/P-F/AUD.

| | | | |
|---|---|---|---|
| 0101 | Naime Yaramanoglu | Seats (Total: 1) | |
| | Th 11:00am - 11:50am<br>Contact instructor or department for details. | JMZ 3122 | Lab |

**FOLA158R** **Directed Study of a Foreign Language (Intensive) I; Elementary Intensive Turkish**

**FOLA158R** *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Intensive Turkish; (6 credits)** Grade Method: REG/P-F/AUD.

| | | | |
|---|---|---|---|
| 0101 | Naime Yaramanoglu | Seats (Total: 3) | |
| | Th 2:30pm - 5:30pm<br>Contact instructor or department for details. | JMZ 1123 | Lab |

**FOLA158X** **Directed Study of a Foreign Language (Intensive) I; Elementary Intensive Urdu**

**FOLA158X** *(PermReq)* **Directed Study of a Foreign Language (Intensive) I: Elementary Intensive Urdu; (6 credits)** Grade Method: REG/P-F/AUD. Students may register for FOLA158X or FOLA158P, not both.

| | | | |
|---|---|---|---|
| 0101 | Naime Yaramanoglu | Seats (Total: 9) | |
| | W 6:30pm - 9:30pm | JMZ 3120 | Lab |
| | Contact instructor or department for details. | | |

**FOLA159R** **Directed Study of a Foreign Language (Intensive) II; Intermediate Intensive Turkish**

**FOLA159R** *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Intensive Turkish; (6 credits)** Grade Method: REG/P-F/AUD.

| | | | |
|---|---|---|---|
| 0101 | Naime Yaramanoglu | Seats (Total: 1) | |
| | Th 9:00am - 10:50am | JMZ 1226 | Lab |
| | Contact instructor or department for details. | | |

**FOLA159X** **Directed Study of a Foreign Language (Intensive) II; Intermediate Intensive Urdu**

**FOLA159X** *(PermReq)* **Directed Study of a Foreign Language (Intensive) II: Intermediate Intensive Urdu; (6 credits)** Grade Method: REG/P-F/AUD. Prerequisite: FOLA158X or consent of program director.

| | | | |
|---|---|---|---|
| 0101 | Naime Yaramanoglu | Seats (Total: 10) | |
| | Th 6:30pm - 9:30pm | JMZ 3120 | Lab |
| | Contact instructor or department for details. | | |

**FOLA386** **Experiential Learning**

**FOLA386** *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: Permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Junior standing or higher.*

**Contact department for information to register for this course.**

# FREN French Spring 2013

**FREN103** **Intensive Elementary French**

**FREN103 Intensive Elementary French; (4 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed FREN102; and must not be a native/fluent speaker of French. Credit only granted for: FREN102 or FREN103.* Covers speaking, reading, writing, listening, and culture of French-speaking world. Limited to students according to conditions described in the "Foreign Language Placement" section in this schedule.

| | | |
|---|---|---|
| 0101 | Alexandra Philipon<br>MWF 10:00am - 10:50am<br>Tu 10:00am - 10:50am | Seats (Total: 25)<br>JMZ 3120<br>JMZ 1224 |
| 0201 | Alexandra Philipon<br>MWF 11:00am - 11:50am<br>Tu 11:00am - 11:50am | Seats (Total: 25)<br>JMZ 3120<br>JMZ 0122 |
| 0301 | Danica Hawkins<br>MWF 12:00pm - 12:50pm<br>Tu 12:00pm - 12:50pm | Seats (Total: 25)<br>JMZ 2207<br>JMZ 0125 |

**FREN203** **Intensive Intermediate French**

**FREN203 Intensive Intermediate French; (4 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
*Prerequisite: FREN103; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of French. Credit only granted for: FREN201 or FREN203.* Covers speaking, reading, writing, listening, and culture of French-speaking world.

| | | |
|---|---|---|
| 0101 | Shannon Mauro<br>MWF 10:00am - 10:50am<br>Tu 10:00am - 10:50am | Seats (Total: 25)<br>JMZ 2123<br>JMZ 1124 |
| 0201 | Kristen Gunderson<br>MWF 12:00pm - 12:50pm<br>Tu 12:00pm - 12:50pm | Seats (Total: 25)<br>JMZ 2123<br>JMZ 0122 |
| 0301 | Shannon Mauro<br>MWF 12:00pm - 12:50pm<br>Tu 12:00pm - 12:50pm | Seats (Total: 25)<br>HBK 1112<br>BPS 1232 |

| | | |
|---|---|---|
| 0401 | Hannah Wegmann<br>MWF 11:00am - 11:50am<br>Tu 11:00am - 11:50am | Seats (Total: 25)<br>JMZ 3203<br>JMZ 1124 |

**FREN204** **French Grammar and Composition**

**FREN204 French Grammar and Composition; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
*Prerequisite: FREN201 or FREN203; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Not open to native/fluent speakers of French.* Intensive study of French grammar and composition.

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|---|---|---|
| 0101 | Karen Casebier<br>TuTh 12:30pm - 1:45pm | Seats (Total: 25)<br>JMZ 3205 |
| 0201 | Phuong Hoang<br>MWF 10:00am - 10:50am | Seats (Total: 25)<br>JMZ 0205 |
| 0301 | Cecile Ruel<br>MWF 11:00am - 11:50am | Seats (Total: 25)<br>JMZ 2123 |

**FREN211** **French Reading and Conversation**
**Contact department for information to register for this course.**

**FREN241** **Women Writers of French Expression in Translation**
**Contact department for information to register for this course.**

**FREN243** **Masterpieces in French and Francophone Cinemas**

**FREN243 Masterpieces in French and Francophone Cinemas; (3 credits)** Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities.
This course, taught in English, will present a large array of films directed by famous French directors (Jean Renoir, Robert Bresson, Jean-Luc Godard, Agnes Varda, etc..) and Francophone filmmakers (Arcand, Sembene) who were internationally known in their time and have had a considerable influence on today's filmmakers in the U.S. (Tarantino, Lynch, Lee, etc..) and abroad (Sissoko, Angelopoulos, VonTrier, ect..).

| | | |
|---|---|---|
| 0101 | Caroline Eades<br>TuTh 2:00pm - 3:15pm | Seats (Total: 30)<br>JMZ 2122 |

**FREN250** **Introduction to Cultural and Textual Analysis**

**FREN250 Introduction to Cultural and Textual Analysis; (3 credits)** Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
*Prerequisite: FREN204; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French. Credit only granted for: FREN250 or FREN250H.* Introduction to cultural and textual analysis of selected readings from various genres in French literature. Taught in French. Also offered as FREN250H.

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|---|---|---|
| 0101 | Sarah Benharrech<br>TuTh 12:30pm - 1:45pm | Seats (Total: 25)<br>JMZ 2122 |
| 0201 | Khady Diene<br>MWF 1:00pm - 1:50pm | Seats (Total: 25)<br>JMZ 0205 |

**FREN250H** **Introduction to Cultural and Textual Analysis**

**FREN250H Introduction to Cultural and Textual Analysis; (3 credits)** Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
*Prerequisite: FREN204; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French. Credit only granted for: FREN250 or FREN250H.* Introduction to cultural and textual analysis of selected readings from various genres in French literature. Taught in French. For general honors students only. Also offered as FREN250.

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|---|---|---|
| 0101 | Sarah Benharrech<br>TuTh 12:30pm - 1:45pm | Seats (Total: 25)<br>JMZ 2122 |
| 0201 | Khady Diene<br>MWF 1:00pm - 1:50pm | Seats (Total: 25)<br>JMZ 0205 |

**FREN269C** **Special Topics in Study Abroad II; La Chason Francaise: Then and Now**
**Contact department for information to register for this course.**

**FREN269F** **Special Topics in Study Abroad II; French Conversation I**

**Contact department for information to register for this course.**

**FREN269G** **Special Topics in Study Abroad II; French Conversation**
**Contact department for information to register for this course.**

**FREN269L** **Special Topics in Study Abroad II; LANGUAGE AND CINEMA**
**Contact department for information to register for this course.**

**FREN269P** **Special Topics in Study Abroad II; Perspectives on Contemporary France**
**Contact department for information to register for this course.**

**FREN269Z** **Special Topics in Study Abroad II; Third-Year French II**
**Contact department for information to register for this course.**

**FREN301** **Composition and Style**

**FREN301 Composition and Style; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: FREN250; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French.* Grammatical analysis, elements of style; range of written genres.

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|---|---|---|
| 0101 | Karen Casebier<br>MWF 11:00am - 11:50am | Seats (Total: 20)<br>JMZ 0120 |
| 0201 | Sarah Benharrech<br>TuTh 2:00pm - 3:15pm | Seats (Total: 20)<br>JMZ 2206 |

**FREN303** **Translation: English to French**

**FREN303 Translation: English to French; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: FREN301; or students who have taken courses with comparable content may contact the department.* Practicum in translation primarily from English to French; contrastive analysis.

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|---|---|---|
| 0101 | Elena Lozinsky<br>TuTh 9:30am - 10:45am | Seats (Total: 20)<br>JMZ 3205 |

**FREN306** **Commercial French I**

**Contact department for information to register for this course.**

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**FREN311** **Advanced Oral Expression**

**FREN311 Advanced Oral Expression; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: FREN250; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French.* Linguistic and thematic analysis of written, audio, and visual texts. Focus on aural and oral skills. Some written assignments and evaluation.

| | | |
|---|---|---|
| 0101 | Cybele Arnaud | Seats (Total: 20) |
| | MWF 12:00pm - 12:50pm | JMZ 1124 |

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**FREN312** **France Today**
**Contact department for information to register for this course.**

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**FREN351** **From Romanticism to the Age of Modernism and Beyond**
**Contact department for information to register for this course.**

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**FREN352** **From the Age of Epic and Romance to the Enlightenment**

**FREN352 From the Age of Epic and Romance to the Enlightenment; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: FREN301; or students who have taken courses with comparable content may contact the department.* A survey of the chief authors and major movements of French literature from the Middle Ages to the end of the 18th century. Also offered as FREN352H.

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|---|---|---|
| 0101 | Joseph Brami | Seats (Total: 25) |
| | TuTh 2:00pm - 3:15pm | JMZ 3203 |

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**FREN352H** **From the Age of Epic and Romance to the Enlightenment**

**FREN352H From the Age of Epic and Romance to the Enlightenment; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: FREN301; or students who have taken courses with comparable content may contact the department.* A survey of the chief authors and major movements of French literature from the Middle Ages to the end of the 18th century. For general honors students only. Also offered as FREN352.

| | | |
|---|---|---|
| 0101 | Joseph Brami<br>TuTh 2:00pm - 3:15pm | Seats (Total: 25)<br>JMZ 3203 |

**FREN369F** **Special Topics in Study Abroad III; Third-Year French I**
**Contact department for information to register for this course.**

**FREN369G** **Special Topics in Study Abroad III**
**Contact department for information to register for this course.**

**FREN369Y** **Special Topics in Study Abroad III; Fourth-Year French I**
**Contact department for information to register for this course.**

**FREN386** **Experiential Learning**

**FREN386** *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: Permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Junior standing or higher.*

**Contact department for information to register for this course.**

**FREN399** **Directed Study in French**

**FREN399** *(PermReq)* **Directed Study in French; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Supervised work under professor of student's choice with permission of instructor. Contact department for details.

**Contact department for information to register for this course.**

**FREN399A** **Directed Study in French**
**Contact department for information to register for this course.**

**FREN399B** **Directed Study in French; Directed Study in Nice II**
**Contact department for information to register for this course.**

**FREN400** **Applied Linguistics**

**FREN400 Applied Linguistics; (3 credits)** Grade Method: REG/P-F/AUD.
The nature of applied linguistics and its contribution to the effective teaching of foreign languages. Comparative study of English and French, with emphasis upon points of divergence.

| | | |
|---|---|---|
| 0101 | Mary Scullen | Seats (Total: 25) |
| | TuTh 3:30pm - 4:45pm | JMZ 0205 |

**FREN401** **Writing with Style**

**FREN401 Writing with Style; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: FREN301; or permission of ARHU-School of Languages, Literatures, and Cultures department.* Advanced composition and stylistic analysis.

| | | |
|---|---|---|
| 0101 | Joseph Brami | Seats (Total: 20) |
| | TuTh 11:00am - 12:15pm | JMZ 1120 |

**FREN495H** **Honors Thesis Research**

**FREN495H** *(PermReq)* **Honors Thesis Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
*Restriction: Must be admitted to the departmental honors program.* The writing of a paper under the direction of a professor in this department and an oral examination. Required to fulfill the departmental honors requirement.

**Contact department for information to register for this course.**

**FREN499M** **Special Topics in French Studies; Medieval Literatures and Culture**

**FREN499M Special Topics in French Studies: Medieval Literatures and Culture; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: FREN351 or 352. Taught in French.

| | | |
|---|---|---|
| 0101 | Karen Casebier | Seats (Total: 25) |
| | MW 2:00pm - 3:15pm | JMZ 3203 |

**FREN499X** **Special Topics in French Studies; Directed Study in FRENCH**
**Contact department for information to register for this course.**

**FREN499Y** **Special Topics in French Studies; Independent Study in French**

**Contact department for information to register for this course.**

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**FREN659B** **Special Topic in Nineteenth Century French Literature; The Invention of Modernity: Nineteenth Century Realism**

**FREN659B Special Topic in Nineteenth Century French Literature: The Invention of Modernity: Nineteenth Century Realism; (3 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Susanna Lee | Seats (Total: 10) |
| | Tu 5:00pm - 7:30pm | JMZ 3203 |

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**FREN699J** **Seminar; The Influence of the Nouveau Roman on Francophone Literature of the Maghreb**

**FREN699J Seminar: The Influence of the Nouveau Roman on Francophone Literature of the Maghreb; (3 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Valerie Orlando | Seats (Total: 10) |
| | M 4:30pm - 7:00pm | JMZ 2117 |

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**FREN798** **Master's Independent Study**

**FREN798** *(PermReq)* **Master's Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**FREN799** **Master's Thesis Research**

**FREN799 Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**FREN889** **Doctoral Independent Study**

**FREN889** *(PermReq)* **Doctoral Independent Study; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**FREN898** **Pre-Candidacy Research**

**FREN898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**FREN899** **Doctoral Dissertation Research**

**FREN899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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# GEMS Gemstone Spring 2013

**GEMS102** **Research Topic Exploration and Team Formation**

**GEMS102 Research Topic Exploration and Team Formation; (1 credit)** Grade Method: REG.
*Restriction: Must be in the Gemstone program.* Under the guidance of staff and visiting speakers, students will develop research topics that they will pursue for the remainder of their participation in the Gemstone program, and form into interdisciplinary teams around these topics.

| | | |
|---|---|---|
| 0101 | Kristan Skendall, Frank Coale | Seats (Total: 180) |
| | Th 5:30pm - 6:30pm | JMZ 0220 |

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**GEMS104** **Topics in Science, Technology and Society (STS)**

**GEMS104 Topics in Science, Technology and Society (STS); (3 credits)** Grade Method: REG/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities or Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
*Prerequisite: GEMS100.* An examination of how cultural, economic, political and social forces shape scientific and technological systems and, conversely, how scientific and technological systems have affected the culture, economies, organization and politics of societies. Students in the course will form small teams to carry out semester-long research on socio/technical topics related to the course theme chosen for that specific semester.

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|---|---|---|---|
| 0101 | David Tomblin<br>M 12:00pm - 12:50pm<br>MW 2:00pm - 2:50pm | Seats (Total: 12)<br>TYD 0117<br>PLS 1115 | Discussion |
| 0102 | David Tomblin<br>M 12:00pm - 12:50pm<br>WF 12:00pm - 12:50pm | Seats (Total: 13)<br>TYD 0117<br>HBK 0108 | Discussion |
| 0103 | David Tomblin<br>M 12:00pm - 12:50pm<br>WF 1:00pm - 1:50pm | Seats (Total: 11)<br>TYD 0117<br>PLS 1146 | Discussion |
| 0104 | David Tomblin<br>M 12:00pm - 12:50pm<br>TuTh 9:00am - 9:50am | Seats (Total: 11)<br>TYD 0117<br>CHE 2145 | Discussion |
| 0105 | David Tomblin<br>M 12:00pm - 12:50pm<br>TuTh 2:00pm - 2:50pm | Seats (Total: 11)<br>TYD 0117<br>HZF 0101 | Discussion |
| 0106 | David Tomblin<br>M 12:00pm - 12:50pm<br>MW 1:00pm - 1:50pm | Seats (Total: 13)<br>TYD 0117<br>CHE 2145 | Discussion |
| 0107 | David Tomblin<br>M 12:00pm - 12:50pm<br>TuTh 11:00am - 11:50am | Seats (Total: 10)<br>TYD 0117<br>EGR 3114 | Discussion |
| 0108 | David Tomblin<br>M 12:00pm - 12:50pm<br>TuTh 12:00pm - 12:50pm | Seats (Total: 12)<br>TYD 0117<br>PLS 1158 | Discussion |
| 0109 | David Tomblin<br>M 12:00pm - 12:50pm<br>TuTh 1:00pm - 1:50pm | Seats (Total: 12)<br>TYD 0117<br>CHE 2145 | Discussion |
| 0201 | David Tomblin<br>Tu 10:00am - 10:50am<br>MW 2:00pm - 2:50pm | Seats (Total: 9)<br>SYM 0200<br>PLS 1115 | Discussion |

| | | | |
|---|---|---|---|
| 0202 | David Tomblin<br>Tu 10:00am - 10:50am<br>WF 12:00pm - 12:50pm | Seats (Total: 9)<br>SYM 0200<br>HBK 0108 | Discussion |
| 0203 | David Tomblin<br>Tu 10:00am - 10:50am<br>WF 1:00pm - 1:50pm | Seats (Total: 11)<br>SYM 0200<br>PLS 1146 | Discussion |
| 0204 | David Tomblin<br>Tu 10:00am - 10:50am<br>TuTh 9:00am - 9:50am | Seats (Total: 14)<br>SYM 0200<br>CHE 2145 | Discussion |
| 0205 | David Tomblin<br>Tu 10:00am - 10:50am<br>TuTh 2:00pm - 2:50pm | Seats (Total: 11)<br>SYM 0200<br>HZF 0101 | Discussion |
| 0206 | David Tomblin<br>Tu 10:00am - 10:50am<br>MW 1:00pm - 1:50pm | Seats (Total: 9)<br>SYM 0200<br>CHE 2145 | Discussion |
| 0207 | David Tomblin<br>Tu 10:00am - 10:50am<br>TuTh 11:00am - 11:50am | Seats (Total: 12)<br>SYM 0200<br>EGR 3114 | Discussion |
| 0208 | David Tomblin<br>Tu 10:00am - 10:50am<br>TuTh 12:00pm - 12:50pm | Seats (Total: 10)<br>SYM 0200<br>PLS 1158 | Discussion |
| 0209 | David Tomblin<br>Tu 10:00am - 10:50am<br>TuTh 1:00pm - 1:50pm | Seats (Total: 10)<br>SYM 0200<br>CHE 2145 | Discussion |

**GEMS208E** **Special Topics in Leadership and Team Development; Research Topic Exploration Teaching Freshmen First Time Section Leader**

## GEMS208E Special Topics in Leadership and Team Development: Research Topic Exploration Teaching Freshmen First Time Section Leader; (1-3 credits)

Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Kristan Skendall<br>Contact instructor or department for details. | Seats (Total: 15) |

**GEMS208F** **Special Topics in Leadership and Team Development; Research Topic Exploration Teaching Freshmen: Returner Section Leader**

**GEMS208F Special Topics in Leadership and Team Development: Research Topic Exploration Teaching Freshmen: Returner Section Leader; (1-3 credits)**
Grade Method: REG/AUD.
Restricted to Gemstone Students.

| | | |
|---|---|---|
| 0201 | Kristan Skendall | Seats (Total: 11) |
| | Contact instructor or department for details. | |

**GEMS208G** **Special Topics in Leadership and Team Development; Science, Technology and Society Teaching Freshmen First Time Section Leader**

**GEMS208G Special Topics in Leadership and Team Development: Science, Technology and Society Teaching Freshmen First Time Section Leader; (1-3 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Leah Kreimer Tobin | Seats (Total: 18) |
| | Contact instructor or department for details. | |

**GEMS208I** **Special Topics in Leadership and Team Development; Science, Technology & Society Teaching Freshman, Returnee Section Leader**

**GEMS208I Special Topics in Leadership and Team Development: Science, Technology & Society Teaching Freshman, Returnee Section Leader; (1-3 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Leah Kreimer Tobin | Seats (Total: 14) |
| | Contact instructor or department for details. | |

**GEMS208J** **Special Topics in Leadership and Team Development; Gems Camp**

**GEMS208J Special Topics in Leadership and Team Development: Gems Camp; (1-3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Leah Kreimer Tobin | Seats (Total: 14) |
| | Contact instructor or department for details. | |

**GEMS297** **Team Project Seminar II**

**GEMS297 Team Project Seminar II; (2 credits)** Grade Method: REG.
*Restriction: Must be in the Gemstone program with sophomore standing in a research team.* This is the second of six seminars during which Gemstone students carry out interdisciplinary research with the guidance of a faculty mentor. The team develops its website, prepares and presents its research proposal and beegins its research project. Restricted to Gemstone Students.

| | | |
|---|---|---|
| 0101 | Peter Kofinas<br>F 2:00pm - 2:50pm<br>Tu 5:00pm - 5:50pm | Seats (Total: 14)<br>ELL 0100A<br>Location: TBA |
| 0102 | John Fisher<br>M 5:00pm - 5:50pm<br>Th 8:00am - 8:50am | Seats (Total: 14)<br>JMZ 1122<br>KEB 1202 |
| 0103 | Lance Yonkos<br>Tu 5:00pm - 5:50pm<br>Th 5:00pm - 5:50pm | Seats (Total: 14)<br>ANS 1420<br>HBK 0108 |
| 0104 | Ramalingam Chellappa<br>Th 5:30pm - 6:30pm<br>W 6:00pm - 6:50pm | Seats (Total: 14)<br>Location: TBA<br>PLS 1158 |
| 0105 | Erica Glasper Andrews<br>M 5:15pm - 6:15pm<br>Th 7:30pm - 8:30pm | Seats (Total: 14)<br>BPS 1228<br>Location: TBA |
| 0106 | Bill Fagan<br>M 6:00pm - 6:50pm<br>Tu 6:00pm - 6:50pm | Seats (Total: 14)<br>Location: TBA<br>Location: TBA |
| 0201 | Jeremy Munday<br>Th 4:00pm - 4:50pm<br>Tu 6:00pm - 6:50pm | Seats (Total: 14)<br>Location: TBA<br>ELL 0100D |
| 0202 | Ben Woodard<br>M 9:00pm - 9:50pm<br>F 2:00pm - 2:50pm | Seats (Total: 14)<br>LEF 1222<br>Location: TBA |

| | | |
|---|---|---|
| 0203 | Andrew Ristvey<br>Tu 6:00pm - 7:00pm<br>Th 7:00pm - 8:00pm | Seats (Total: 14)<br>JMZ 1224<br>JMZ 1224 |
| 0204 | John Aloimonos<br>M 6:00pm - 6:50pm<br>Th 7:00pm - 7:50pm | Seats (Total: 14)<br>Location: TBA<br>Location: TBA |
| 0205 | Bryan Quinn<br>M 6:00pm - 6:50pm<br>W 10:00pm - 10:50pm | Seats (Total: 14)<br>Location: TBA<br>PLS 1146 |
| 0208 | Leah Kreimer Tobin<br>Contact instructor or department for details. | Seats (Total: 5) |

**GEMS397** **Team Project Seminar IV**

**GEMS397 Team Project Seminar IV; (2 credits)** Grade Method: REG. *Prerequisite: GEMS396. Restriction: Must be in the Gemstone program with junior standing in a research team.* This is the fourth of six seminars during which Gemstone students carry out interdisciplinary research with the guidance of a faculty mentor. The team further develops its website. Also they will prepare and present the team project in the poster session of Undergraduate Research Day. Restricted to Gemstone Students.

| | | |
|---|---|---|
| 0101 | Volker Briken<br>F 3:00pm - 4:00pm<br>Su 12:00pm - 1:00pm | Seats (Total: 14)<br>MCB 2105<br>MCB 2105 |
| 0102 | Steven Hutcheson<br>W 8:00am - 8:50am<br>F 5:00pm - 5:50pm | Seats (Total: 14)<br>JMZ 1103<br>MCB 2119 |
| 0103 | Miao Yu<br>Th 5:00pm - 6:50pm | Seats (Total: 14)<br>Location: TBA |
| 0104 | Richard Yi<br>M 3:30pm - 4:30pm<br>F 1:00pm - 1:50pm | Seats (Total: 14)<br>Location: TBA<br>Location: TBA |

| | | | |
|---|---|---|---|
| 0105 | John Fisher<br>W 8:00am - 8:50am<br>Tu 5:00pm - 5:50pm | Seats (Total: 14)<br>KEB 1200<br>KEB 1200 | |
| 0106 | Pamela Abshire<br>Tu 8:00am - 8:50am<br>F 3:00pm - 3:50pm | Seats (Total: 14)<br>Location: TBA<br>Location: TBA | |
| 0201 | Matthew Roesch<br>M 7:00pm - 7:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 14)<br>BPS 1234<br>BPS 1234 | |
| 0202 | Andrew Lazur<br>Tu 6:00pm - 6:50pm<br>W 6:00pm - 6:50pm | Seats (Total: 14)<br>HBK 0109<br>HBK 0108 | |
| 0203 | Aravind Srinivasan<br>Tu 8:00am - 8:50am<br>W 6:00pm - 7:00pm | Seats (Total: 14)<br>Location: TBA<br>PLS 1162 | <br><br>Discussion |
| 0204 | Peter Mallios<br>Tu 5:00pm - 7:00pm | Seats (Total: 14)<br>Location: TBA | |
| 0205 | Amr Baz<br>M 1:00pm - 2:00pm<br>Tu 7:00pm - 7:50pm | Seats (Total: 14)<br>EGR 3102<br>EGR 1110 | <br><br>Discussion |
| 0209 | Leah Kreimer Tobin<br>Contact instructor or department for details. | Seats (Total: 10) | |

**GEMS497** **Team Thesis Defense**

**GEMS497 Team Thesis Defense; (2 credits)** Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
*Prerequisite: GEMS396. Restriction: Must be in the Gemstone program.* Gemstone teams will complete the team research project and thesis. The team will formally present the thesis to experts in the area of interest at a Team Thesis Conference before final submission. Restricted to Gemstone Students.

| | | | |
|---|---|---|---|
| 0101 | Jeffrey Herrmann<br>F 2:00pm - 2:50pm<br>Tu 5:30pm - 6:30pm | Seats (Total: 14)<br>EGR 3111<br>Location: TBA | |
| 0102 | Jose Aranda-Espinoza<br>Tu 8:00am - 9:00am<br>Th 6:30pm - 7:30pm | Seats (Total: 14)<br>EGR 3111<br>EGR 3111 | |
| 0103 | Nam Sun Wang<br>MW 5:00pm - 5:50pm | Seats (Total: 14)<br>TYD 2110 | |
| 0104 | Nadine Sahyoun<br>TuTh 10:00am - 11:00am | Seats (Total: 14)<br>JMZ 1117 | |
| 0105 | Stephanie Grutzmacher<br>W 6:00pm - 6:50pm<br>M 9:30pm - 10:30pm | Seats (Total: 14)<br>PLS 1184<br>EGR 1110 | |
| 0106 | Ioannis Bossis<br>W 5:00pm - 5:50pm | Seats (Total: 14)<br>Location: TBA | |
| 0201 | Chunsheng Wang<br>M 5:15pm - 7:15pm | Seats (Total: 14)<br>PLS 1168 | |
| 0202 | Steven Turley<br>M 6:30pm - 8:30pm | Seats (Total: 14)<br>HJP 2226 | |
| 0203 | Kislaya Prasad, Ritu Agarwal<br>M 6:00pm - 6:50pm<br>W 6:00pm - 6:50pm | Seats (Total: 14)<br>JMZ 0120<br>VMH 3332 | |
| 0204 | Michael Zachariah<br>Tu 8:30pm - 9:30pm<br>Th 11:15am - 12:15pm | Seats (Total: 14)<br>ANA 0103<br>PLS 1168 | |
| 0205 | Brian Bequette<br>M 6:00pm - 7:00pm<br>Th 6:30pm - 7:30pm | Seats (Total: 14)<br>Location: TBA<br>JMZ 2117 | Discussion |

| | | | |
|---|---|---|---|
| 0206 | Charles Carr<br>Tu 8:00pm - 8:50pm<br>W 6:30pm - 7:30pm | Seats (Total: 14)<br>Location: TBA<br>Location: TBA | |
| 0207 | David Tilley<br>M 8:00am - 8:50am<br>Tu 8:30pm - 9:30pm | Seats (Total: 14)<br>Location: TBA<br>JMZ 1103 | |
| 0208 | Kristan Skendall<br>Contact instructor or department for details. | Seats (Total: 3) | |

# GEOG Geographical Sciences Spring 2013

**GEOG130 Developing Countries**

**GEOG130 Developing Countries; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences.
An introduction to the geographic characteristics of the development problems and prospects of developing countries. Spatial distribution of poverty, employment, migration and urban growth, agricultural productivity, rural development, policies and international trade. Portraits of selected developing countries.

| | | | |
|---|---|---|---|
| 0101 | Ronald Luna<br>MW 11:00am - 11:50am<br>Th 9:30am - 10:20am | Seats (Total: 24)<br>LEF 2205<br>LEF 1220 | <br><br>Discussion |
| 0102 | Ronald Luna<br>MW 11:00am - 11:50am<br>Th 11:00am - 11:50am | Seats (Total: 24)<br>LEF 2205<br>JMZ 0122 | <br><br>Discussion |
| 0103 | Ronald Luna<br>MW 11:00am - 11:50am<br>F 12:00pm - 12:50pm | Seats (Total: 24)<br>LEF 2205<br>EDU 2101 | <br><br>Discussion |
| 0104 | Ronald Luna<br>MW 11:00am - 11:50am<br>F 9:00am - 9:50am | Seats (Total: 24)<br>LEF 2205<br>LEF 2208 | <br><br>Discussion |

| | | | |
|---|---|---|---|
| 0105 | Ronald Luna<br>MW 11:00am - 11:50am<br>F 10:00am - 10:50am | Seats (Total: 24)<br>LEF 2205<br>EDU 2119 | Discussion |
| 0106 | Ronald Luna<br>MW 11:00am - 11:50am<br>F 10:00am - 10:50am | Seats (Total: 24)<br>LEF 2205<br>EDU 2102 | Discussion |
| 0107 | Ronald Luna<br>MW 11:00am - 11:50am<br>Th 9:30am - 10:20am | Seats (Total: 24)<br>LEF 2205<br>EDU 0206 | Discussion |
| 0108 | Ronald Luna<br>MW 11:00am - 11:50am<br>Th 12:30pm - 1:20pm | Seats (Total: 24)<br>LEF 2205<br>JMZ 1122 | Discussion |
| 0109 | Ronald Luna<br>MW 11:00am - 11:50am<br>Th 11:00am - 11:50am | Seats (Total: 24)<br>LEF 2205<br>SYM 0215 | Discussion |
| 0110 | Ronald Luna<br>MW 11:00am - 11:50am<br>F 11:00am - 11:50am | Seats (Total: 24)<br>LEF 2205<br>EDU 2101 | Discussion |

**GEOG170** **Introduction to Methods of Geospatial Intelligence and Analysis**

**GEOG170 Introduction to Methods of Geospatial Intelligence and Analysis; (3 credits)** Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Distributive Studies - Natural Sciences.
Introduction to technical methods used in gathering, analyzing, and presenting geospatial information, addressing the needs of geospatial analysis, such as environmental monitoring, situational awareness, disaster management, and human systems. Topics include basics of locational reference systems, map projections, satellite and airborne remote sensing, global positioning systems, geographic information systems, cartography, and introductory statistics and probability. The course is a gateway to more advanced technical classes in geoinformatics.

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|---|---|---|---|
| 0101 | Paul Torrens<br>MW 1:00pm - 1:50pm<br>Tu 9:00am - 11:00am | Seats (Total: 24)<br>LEF 2205<br>LEF 1136 | Lab |

| | | | |
|---|---|---|---|
| 0102 | Paul Torrens<br>MW 1:00pm - 1:50pm<br>Th 9:00am - 11:00am | Seats (Total: 24)<br>LEF 2205<br>LEF 1136 | <br><br>Lab |
| 0103 | Paul Torrens<br>MW 1:00pm - 1:50pm<br>F 11:00am - 1:00pm | Seats (Total: 24)<br>LEF 2205<br>LEF 1138 | <br><br>Lab |
| 0104 | Paul Torrens<br>MW 1:00pm - 1:50pm<br>Tu 1:00pm - 3:00pm | Seats (Total: 24)<br>LEF 2205<br>LEF 1136 | <br><br>Lab |
| 0105 | Paul Torrens<br>MW 1:00pm - 1:50pm<br>Tu 1:00pm - 3:00pm | Seats (Total: 24)<br>LEF 2205<br>LEF 1138 | <br><br>Lab |
| 0106 | Paul Torrens<br>MW 1:00pm - 1:50pm<br>Th 1:00pm - 3:00pm | Seats (Total: 24)<br>LEF 2205<br>LEF 1136 | <br><br>Lab |
| 0107 | Paul Torrens<br>MW 1:00pm - 1:50pm<br>Th 1:00pm - 3:00pm | Seats (Total: 24)<br>LEF 2205<br>LEF 1136 | <br><br>Lab |
| 0108 | Paul Torrens<br>MW 1:00pm - 1:50pm<br>F 1:00pm - 3:00pm | Seats (Total: 24)<br>LEF 2205<br>LEF 1136 | <br><br>Lab |

**GEOG201** **Geography of Environmental Systems**

**GEOG201 Geography of Environmental Systems; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab(if taken with GEOG211).

A systematic introduction to the processes and associated forms of the atmosphere and earth's surfaces emphasizing the interaction between climatology, hydrology and geomorphology.

| | | | |
|---|---|---|---|
| 0101 | Keith Yearwood<br>TuTh 9:30am - 10:45am | Seats (Total: 240)<br>LEF 2205 | |

**GEOG202** **Introduction to Human Geography**

**GEOG202 Introduction to Human Geography; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Cultural Competency.
Introduction to what geographers do and how they do it. Systematic study of issues regarding social and cultural systems from a global to a local scale. Looks at the distribution of these variables and answers the question "Why here, and not there"?

| | | | |
|---|---|---|---|
| 0101 | Paul Torrens<br>MW 2:00pm - 2:50pm<br>F 9:00am - 9:50am | Seats (Total: 24)<br>LEF 2205<br>JMZ 3120 | <br><br>Discussion |
| 0102 | Paul Torrens<br>MW 2:00pm - 2:50pm<br>Th 12:30pm - 1:20pm | Seats (Total: 24)<br>LEF 2205<br>TLF 1101 | <br><br>Discussion |
| 0103 | Paul Torrens<br>MW 2:00pm - 2:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 24)<br>LEF 2205<br>EDU 2102 | <br><br>Discussion |
| 0104 | Paul Torrens<br>MW 2:00pm - 2:50pm<br>F 11:00am - 11:50am | Seats (Total: 24)<br>LEF 2205<br>EDU 2102 | <br><br>Discussion |
| 0105 | Paul Torrens<br>MW 2:00pm - 2:50pm<br>F 9:00am - 9:50am | Seats (Total: 24)<br>LEF 2205<br>EDU 2101 | <br><br>Discussion |
| 0106 | Paul Torrens<br>MW 2:00pm - 2:50pm<br>Th 11:00am - 11:50am | Seats (Total: 24)<br>LEF 2205<br>BPS 1232 | <br><br>Discussion |
| 0107 | Paul Torrens<br>MW 2:00pm - 2:50pm<br>Th 9:30am - 10:20am | Seats (Total: 24)<br>LEF 2205<br>JMZ 0122 | <br><br>Discussion |
| 0108 | Paul Torrens<br>MW 2:00pm - 2:50pm<br>F 10:00am - 10:50am | Seats (Total: 24)<br>LEF 2205<br>MMH 0108 | <br><br>Discussion |

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| 0109 | Paul Torrens<br>MW 2:00pm - 2:50pm<br>Th 9:30am - 10:20am | Seats (Total: 24)<br>LEF 2205<br>SQH 2119 | <br><br>Discussion |
| 0110 | Paul Torrens<br>MW 2:00pm - 2:50pm<br>F 11:00am - 11:50am | Seats (Total: 24)<br>LEF 2205<br>EDU 3233 | <br><br>Discussion |

**GEOG211** **Geography of Environmental Systems Laboratory**

**GEOG211 Geography of Environmental Systems Laboratory; (1 credit)** Grade Method: REG/P-F/AUD.
*Prerequisite: Must have completed or be concurrently enrolled in GEOL120, GEOL100, or GEOG201.* A laboratory course to accompany GEOG 201. Analysis of the components of the earth's energy balance using basic instrumentation; weather map interpretation; soil analysis; the application of map and air photo interpretation techniques to landform analysis.

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| 0101 | Ahmad Khan<br>M 9:00am - 11:00am | Seats (Total: 24)<br>LEF 1136 | <br>Lab |
| 0201 | Nayoung Jo<br>M 11:00am - 1:00pm | Seats (Total: 24)<br>LEF 1136 | <br>Lab |
| 0301 | Ahmad Khan<br>M 9:00am - 11:00am | Seats (Total: 24)<br>LEF 1138 | <br>Lab |
| 0401 | Nayoung Jo<br>M 11:00am - 1:00pm | Seats (Total: 24)<br>LEF 1138 | <br>Lab |
| 0501 | Ahmad Khan<br>Tu 11:00am - 1:00pm | Seats (Total: 24)<br>LEF 1136 | <br>Lab |
| 0601 | Ashley Enrici<br>Tu 11:00am - 1:00pm | Seats (Total: 24)<br>LEF 1138 | <br>Lab |
| 0701 | Ashley Enrici<br>M 1:00pm - 3:00pm | Seats (Total: 24)<br>LEF 1136 | <br>Lab |

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| 0801 | Ashley Enrici<br>M 1:00pm - 3:00pm | Seats (Total: 24)<br>LEF 1138 | <br>Lab |
| 0901 | Ahmad Khan<br>W 1:00pm - 3:00pm | Seats (Total: 24)<br>LEF 1136 | <br>Lab |
| 1001 | Ahmad Khan<br>W 1:00pm - 3:00pm | Seats (Total: 24)<br>LEF 1138 | <br>Lab |

**GEOG212** **Introduction to Human Geography Laboratory**

**GEOG212** *(PermReq)* **Introduction to Human Geography Laboratory; (1 credit)** Grade Method: REG/P-F/AUD.
*Prerequisite: Must have completed or be concurrently enrolled in GEOG202. Restriction: Must be in Geography program.* Introduction to the basic methods and techniques employed in human geography.

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| 0101 | Vanessa Kirn<br>M 9:00am - 11:00am | Seats (Total: 25)<br>LEF 1124 | <br>Lab |

**GEOG306** **Introduction to Quantitative Methods for the Geographic Environmental Sciences**

**GEOG306 Introduction to Quantitative Methods for the Geographic Environmental Sciences; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Analytic Reasoning.
*Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200, or SOCY201.* Essentials in the quantitative analysis of spatial and other data, with a particular emphasis on statistics and programming. Topics include data display, data description and summary, statistical inference and significance tests, analysis of variance, correlation, regression, and some advanced concepts, such as matrix methods, principal component analysis, and spatial statistics. Students will develop expertise in data analysis using advanced statistical software. Students must pay a $40.00 lab fee.

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| 0101 | Ralph Dubayah<br>MW 11:00am - 11:50am<br>F 9:00am - 11:00am | Seats (Total: 25)<br>LEF 2166<br>LEF 1136 | <br><br>Lab |

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|---|---|---|---|
| 0102 | Ralph Dubayah<br>MW 11:00am - 11:50am<br>F 11:00am - 1:00pm | Seats (Total: 25)<br>LEF 2166<br>LEF 1136 | <br><br>Lab |

**GEOG310** **Maryland and Adjacent Areas**

**GEOG310 Maryland and Adjacent Areas; (3 credits)** Grade Method: REG/P-F/AUD.
*Credit only granted for: GEOG310 or GEOG321. Formerly: GEOG321.* The physical environment, natural resources, and population in relation to agriculture, industry, transport, and trade in the State of Maryland and adjacent areas.

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| 0101 | Allen Eney<br>MWF 3:00pm - 3:50pm | Seats (Total: 30)<br>LEF 2166 |

**GEOG328A** **Topics in Regional Geography; Western Europe: From an Integrated Geographic Persepctive**

**GEOG328A Topics in Regional Geography: Western Europe: From an Integrated Geographic Persepctive; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Allen Eney<br>MWF 2:00pm - 2:50pm | Seats (Total: 30)<br>LEF 2166 |

**GEOG328B** **Topics in Regional Geography; China**

**GEOG328B Topics in Regional Geography: China; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Shunlin Liang<br>W 1:00pm - 3:30pm | Seats (Total: 40)<br>LEF 1124 |

**GEOG330** **As the World Turns: Society and Sustainability in a Time of Great Change**

**GEOG330 As the World Turns: Society and Sustainability in a Time of Great Change; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies; Signature Courses - I-Series.
*Credit only granted for: GEOG330, GEOG360, or GEOG362. Formerly: GEOG362.*
Cultural geography course on society and sustainability. Culture is the basic building block that is key to sustainability of societies. Course will cover sustainability of societies on different scales, examining local, regional, and worldwide issues. Sustainability will be examined as a key element of environmental sustainability. How societies adjust to rapid world change will be examined as a positive and/or negative factor in sustainability.

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| 0101 | Martha Geores<br>MW 12:00pm - 12:50pm<br>Th 9:30am - 10:20am | Seats (Total: 25)<br>LEF 2205<br>JMZ 0120 | Discussion |
| 0102 | Martha Geores<br>MW 12:00pm - 12:50pm<br>Th 11:00am - 11:50am | Seats (Total: 25)<br>LEF 2205<br>JMZ 0125 | Discussion |
| 0103 | Martha Geores<br>MW 12:00pm - 12:50pm<br>F 9:00am - 9:50am | Seats (Total: 25)<br>LEF 2205<br>EDU 2102 | Discussion |
| 0104 | Martha Geores<br>MW 12:00pm - 12:50pm<br>F 10:00am - 10:50am | Seats (Total: 25)<br>LEF 2205<br>EDU 2101 | Discussion |
| 0105 | Martha Geores<br>MW 12:00pm - 12:50pm<br>F 11:00am - 11:50am | Seats (Total: 20)<br>LEF 2205<br>HBK 0108 | Discussion |

**GEOG342 Introduction to Biogeography**

**GEOG342 Introduction to Biogeography; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: GEOG201. Recommended: GEOG211. Credit only granted for: GEOG342 or GEOG347. Formerly: GEOG347.* The principles of biogeography, including the patterns, processes and distributions of living organisms from local to global scales, aspects of ecophysiology, population and community ecology and evolutionary biology. Spatial processes in the biosphere will be covered.

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| 0101 | James Kellner<br>TuTh 12:30pm - 1:45pm | Seats (Total: 50)<br>LEF 2166 | |

**GEOG372** **Remote Sensing**

**GEOG372 Remote Sensing; (3 credits)** Grade Method: REG/P-F/AUD.
Principles of remote sensing in relation to photographic, thermal infrared and radar imaging. Methods of obtaining quantitative information from remotely-sensed images. Interpretation of remotely-sensed images emphasizing the study of spatial and environmental relationships. Students must pay a $40.00 lab fee.

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| 0101 | Stephen Prince<br>MW 9:00am - 10:15am<br>Th 9:00am - 11:00am | Seats (Total: 25)<br>LEF 2166<br>LEF 1138 | <br><br>Lab |
| 0102 | Stephen Prince<br>MW 9:00am - 10:15am<br>Th 11:00am - 1:00pm | Seats (Total: 25)<br>LEF 2166<br>LEF 1138 | <br><br>Lab |

**GEOG373** **Geographic Information Systems**

**GEOG373 Geographic Information Systems; (3 credits)** Grade Method: REG/P-F/AUD.
Characteristics and organization of geographic data; creation and use of digital geospatial databases; metadata; spatial data models for thematic mapping and map analysis; use of geographic information system in society, government, and business. Practical training with use of advanced software and geographic databases. There is a $40.00 lab fee for this course.

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| 0101 | Naijun Zhou<br>M 4:00pm - 6:00pm<br>Tu 9:00am - 11:00am | Seats (Total: 25)<br>LEF 2166<br>LEF 1136 | <br><br>Lab |

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|---|---|---|---|
| 0102 | Naijun Zhou<br>M 4:00pm - 6:00pm<br>W 11:00am - 1:00pm | Seats (Total: 25)<br>LEF 2166<br>LEF 1136 | <br><br>Lab |

**GEOG376** **Introduction to Computer Programming for GIS**

**GEOG376 Introduction to Computer Programming for GIS; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Must have completed or be concurrently enrolled in MATH220, MATH130, or MATH140. And GEOG373; or permission of BSOS-Geography department.* Introduces conceptual and practical aspects of programming for geographic applications. The main focus is on developing a solid understanding of basic programming techniques irrespective of the specific programming language including variables, looping, conditional statements, nesting, math, strings, and other concepts. In addition, students will develop a proficiency in applying these basic programming principles to manipulating spatial data sources within the Geographic Information Systems (GIS).

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| 0101 | Tatiana Loboda<br>MW 12:00pm - 12:50pm<br>Th 3:00pm - 5:00pm | Seats (Total: 25)<br>LEF 2166<br>LEF 1136 | <br><br>Lab |
| 0102 | Tatiana Loboda<br>MW 12:00pm - 12:50pm<br>F 9:00am - 11:00am | Seats (Total: 25)<br>LEF 2166<br>LEF 1138 | <br><br>Lab |

**GEOG384** **Internship in Geography I**

**GEOG384** *(PermReq)* **Internship in Geography I; (3 credits)** Grade Method: REG/P-F.
*Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and (ENGL393 or ENGL390). Restriction: Must be in Geography program.* Supervised field training to provide career experience. Introduction to professional level activities, demands, opportunities. Placement at a public agency, non-profit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

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| 0101 | Allen Eney<br>Contact instructor or department for details. | Seats (Total: 10) |

**GEOG384H** **Internship in Geography I**

**GEOG384H Internship in Geography I; (3 credits)** Grade Method: REG/P-F. *Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and (ENGL393 or ENGL390). Restriction: Must be in Geography program.* Supervised field training to provide career experience. Introduction to professional level activities, demands, opportunities. Placement at a public agency, non-profit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

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| 0101 | Martha Geores | Seats (Total: 5) |
| | Contact instructor or department for details. | |

**GEOG385** **Internship in Geography II**

**GEOG385** *(PermReq)* **Internship in Geography II; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and must have completed a Junior (Professional) English course. Restriction: Must be in Geography program.* Supervised field training to provide career experience. Introduction to professional-level activities, demands, opportunities. Placement at a public agency, nonprofit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

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| 0101 | Allen Eney | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**GEOG385H** **Internship in Geography II**

**GEOG385H Internship in Geography II; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and must have completed a Junior (Professional) English course. Restriction: Must be in Geography program.* Supervised field training to provide career experience. Introduction to professional-level activities, demands, opportunities. Placement at a public agency, nonprofit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

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| 0101 | Martha Geores | Seats (Total: 5) |
| | Contact instructor or department for details. | |

**GEOG396** **Honors Research**

**GEOG396 Honors Research; (3 credits)** Grade Method: REG/P-F/AUD. *Restriction: Permission of BSOS-Geography department; and senior standing or higher; and must be in Geography program. Formerly: GEOG397.* First course in the departmental honors sequence. Student development of a potential research topic under the guidance of a faculty advisor, culminating in a written and oral presentation of a research proposal.

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| 0101 | Martha Geores | Seats (Total: 5) |
| | Contact instructor or department for details. | |

**GEOG397** **Honors Thesis**

**GEOG397 Honors Thesis; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: GEOG396. Restriction: Must be in Geography program; and senior standing or higher. Formerly: GEOG399.* Second course in the departmental honors sequence. Student research under the auspices of a faculty advisor, culminating in a research paper to be defended orally before the geography honors committee.

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| 0101 | Martha Geores | Seats (Total: 5) |
| | Contact instructor or department for details. | |

**GEOG398** **Special Topics in Geography**

**GEOG398** *(PermReq)* **Special Topics in Geography; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**GEOG398F** **Special Topics in Geography; Geography: Desertification: Science and Myth**

**GEOG398F Special Topics in Geography: Geography: Desertification: Science and Myth; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Stephen Prince | Seats (Total: 20) |
| | W 4:00pm - 6:30pm | LEF 1171 |

**GEOG410** **Washington, D.C.: Past and Present**

**GEOG410 Washington, D.C.: Past and Present; (3 credits)** Grade Method: REG/P-F/AUD.
*Credit only granted for: GEOG410 or GEOG454. Formerly: GEOG454.* This course is designed as a field study of Washington, D.C. from its origin as the Federal Capital to its role in the development of the metropolitan area. Through lectures and extensive field trips, the course will focus on the symbiosis and interrelation of Washington, D.C. and its region: historical, socio-economic, spatial and environmental.

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| 0101 | Mila Zlatic | Seats (Total: 25) |
| | Tu 2:00pm - 4:30pm | LEF 1220 |

**GEOG413** **Migration: Latin America and the United States**

**GEOG413 Migration: Latin America and the United States; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: GEOG313; or permission of BSOS-Geography department. Recommended: HIST250; or USLT201; or LASC234. Credit only granted for: GEOG413, or GEOG498M. Formerly: GEOG498M.* Develops an understanding of the push and pull factors that have contributed to human mobility (migration) that has transformed the Americas. The class is divided in two parts: immigration and emigration from Latin American and Latin America migration to the United States. We will be interested in studying the migration shifts that have occurred in Latin America and the theories that help explain them. The themes that will be addressed are the history of migration with Latin America and to North America, the impact of this migration on both sending and receiving countries, and the various policy strategies and issues concerning migration.

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| 0101 | Ronald Luna | Seats (Total: 25) |
| | MW 2:00pm - 3:15pm | LEF 1222 |

**GEOG415** **Land Use, Climate Change, and Sustainability**

**GEOG415 Land Use, Climate Change, and Sustainability; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: GEOG123 or GEOG306; or permission of BSOS-Geography department. Recommended: GEOG340; or GEOG342; or GEOG331. Or GEOG201; and GEOG211. Credit only granted for: GEOG415 or GEOG498D. Formerly: GEOG498D.* The issues of climate change and land use change as two interlinked global and regional environmental issues and their implications for society and resource use are explored.

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| 0101 | Kuishuang Feng | Seats (Total: 50) |
| | TuTh 12:30pm - 1:45pm | LEF 1124 |

**GEOG416** **Conceptualizing and Modeling Human-Environmental Interactions**

**GEOG416 Conceptualizing and Modeling Human-Environmental Interactions; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: GEOG306, STAT100, or MATH111; or permission of BSOS-Geography department. Corequisite: MATH130, MATH140, or MATH220. Credit only granted for: GEOG416 or GEOG498N. Formerly: GEOG498N.* Develops skills to carry out research that integrates environmental and economic aspects of sustainability by introducing extensively used quantitative tools for analyzing human-environmental interactions in the field of ecological economics. These include, e.g., index number calculations and decomposition analysis, Environmental Kuznets Curve (EKC), environmental input-output analysis and life-cycle analysis, and multi-criteria decisions aid (MCDA). Students will need laptops to run models during class.

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| 0101 | Yang Yu | Seats (Total: 50) |
| | Tu 2:00pm - 4:30pm | LEF 1124 |

**GEOG435** **Population Geography**

**GEOG435 Population Geography; (3 credits)** Grade Method: REG/P-F/AUD.
*Credit only granted for: GEOG422 or GEOG435. Formerly: GEOG422.* The spatial characteristics of population distribution and growth, migration, fertility and mortality from a global perspective. Basic population-environmental relationships; carrying capacity, density, relationships to national development.

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| 0101 | Mila Zlatic | Seats (Total: 50) |
| | TuTh 11:00am - 12:15pm | LEF 1124 |

**GEOG441** **The Coastal Ocean**

**GEOG441 The Coastal Ocean; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: GEOG140; or students who have taken courses with comparable content may contact the department; or permission of BSOS-Geography department. Credit only granted for: GEOG441 or GEOG498C. Formerly: GEOG498C.* Introduction to coastal oceanography, focusing on the physical, biological, and geological aspects of ocean areqs on the inner continental shelves. Wave, currents, and tidal dynamics of bays, open coast, estuaries, and deltas. Sedimentary environments of major coastal types. Ecology and biogeochemical relationships, including benthic and planktonic characteristics. Coastal evolution with sea level rise. Human impacts: eutrophication, modification of sedimentation. The coastal future: rising sea level, hypoxia, and increased storminess.

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| 0101 | Keith Yearwood<br>TuTh 11:00am - 12:15pm | Seats (Total: 25)<br>LEF 1201 | |

**GEOG473** **Geographic Information Systems and Spatial Analysis**

**GEOG473 Geographic Information Systems and Spatial Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: GEOG373 or GEOG306; or students who have taken courses with comparable content may contact the department. Credit only granted for: GEOG473 or GEOG482. Formerly: GEOG482.* Analytical uses of geographic information systems; data models for building geographic data bases; types of geographic data and spatial problems; practical experience using advanced software for thematic domains such as terrain analysis, land suitability modeling, demographic analysis, and transportation studies. Students must pay a $40.00 lab fee.

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| 0101 | Naijun Zhou<br>Tu 5:00pm - 7:00pm<br>W 9:00am - 11:00am | Seats (Total: 25)<br>LEF 2166<br>LEF 1138 | <br><br>Lab |
| 0102 | Naijun Zhou<br>Tu 5:00pm - 7:00pm<br>W 11:00am - 1:00pm | Seats (Total: 22)<br>LEF 2166<br>LEF 1138 | <br><br>Lab |

**GEOG498** **Topical Investigations**

**GEOG498** *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**GEOG498B** **Topical Investigations; Social Ecological Systems**

**GEOG498B Topical Investigations: Social Ecological Systems; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Christina Prell, Klaus Hubacek | Seats (Total: 60) | |
| | TuTh 12:30pm - 1:45pm | ASY 1213 | |

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**GEOG498P** **Topical Investigations; Global Criminal Economy**

**GEOG498P Topical Investigations: Global Criminal Economy; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Julie Silva | Seats (Total: 25) | |
| | TuTh 12:30pm - 1:45pm | LEF 1201 | |

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**GEOG498R** **Topical Investigations; Land Cover Characterization Using Multi-spectral, Multi-Temporal Remotely Sensed Data Sets**

**GEOG498R Topical Investigations: Land Cover Characterization Using Multi-spectral, Multi-Temporal Remotely Sensed Data Sets; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Matthew Hansen | Seats (Total: 25) | |
| | M 1:00pm - 3:00pm | LEF 1220 | |
| | W 9:00am - 11:00am | LEF 1136 | Lab |

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**GEOG600** **Introduction to Human Geography**

**GEOG600 Introduction to Human Geography; (3 credits)** Grade Method: REG/AUD.

*Restriction: Permission of BSOS-Geography department.* Introduces students to current trends and developments in human geography in the areas of geography as social science, space and place, and human dimensions of global change, and to research procedures in this field.

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| 0101 | Eric Kasischke<br>M 3:00pm - 5:30pm | Seats (Total: 20)<br>LEF 1124 |

**GEOG603** **Masters Research Tutorial**

**GEOG603 Masters Research Tutorial; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: GEOG600. Restriction: Permission of BSOS-Geography department. Credit only granted for: GEOG603 or GEOG610. Formerly: GEOG610.* Development of Masters scholarly paper topic, critical literature review, formulation of geographical approach to research methodology. Individual meetings with faculty. Comprehensive exam before the end of the semester.

**Contact department for information to register for this course.**

**GEOG604** **PhD Research Tutorial**

**GEOG604 PhD Research Tutorial; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: GEOG600. Restriction: Permission of BSOS-Geography department. Credit only granted for: GEOG604, GEOG610D, or GEOG611. Formerly: GEOG611.* Development of Doctoral research proposal: critical literature review; formulation of research methodology; data identification and evaluation. Individual meetings with faculty. Doctoral proposal defense before end of semester.

**Contact department for information to register for this course.**

**GEOG606** **Quantitative Spatial Analysis**

**GEOG606 Quantitative Spatial Analysis; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: GEOG305; or permission of BSOS-Geography department. Credit only granted for: GEOG605 or GEOG606. Formerly: GEOG605.* Multivariate statistical method applications to spatial problems. Linear and non-linear correlation and regression, factor analysis, cluster analysis. Spatial statistics including: trend surfaces, sequences, point distributions. Applications orientation. Students must pay a $40.00 lab fee.

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| 0101 | Chengquan Huang<br>Tu 2:00pm - 4:30pm | Seats (Total: 20)<br>LEF 1171 |

**GEOG614** **Human Dimensions of Global Change**

**GEOG614 Human Dimensions of Global Change; (3 credits)** Grade Method: REG/AUD.
The intersection of human and biophysical systems from the vantage point of the impact of human actions on the environment are examined. The impact of the biophysical environment on humans is also discussed.

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| 0101 | Martha Geores | Seats (Total: 20) |
| | Tu 5:00pm - 7:30pm | LEF 1124 |

**GEOG646** **Watershed Hydrology, Modeling, and Policy**

**GEOG646 Watershed Hydrology, Modeling, and Policy; (3 credits)** Grade Method: REG/AUD.
*Restriction: Permission of BSOS-Geography department; or must be in one of the following programs (Geography (Doctoral); Geography (Master's)). Credit only granted for: GEOG646 or GEOG779A. Formerly: GEOG779A.* Introduction to physical watershed hydrology/nonpoint water pollution, basic concepts of computer simulation models for watershed science, and conservation issues related to watershed management.

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| 0101 | In-Young Yeo | Seats (Total: 20) |
| | W 4:00pm - 6:30pm | LEF 1124 |

**GEOG655** **Spatial Database System**
**Contact department for information to register for this course.**

**GEOG657** **Web Programming**
**Contact department for information to register for this course.**

**GEOG671** **Remote Sensing Instruments and Observtions**

**GEOG671 Remote Sensing Instruments and Observtions; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: GEOG472; or students who have taken courses with comparable content may contact the department; or permission of BSOS-Geography department.*
Detailed examination of land remote sensing instruments, observatories and resultant measurements in the optical portion of the EM spectrum. Includes computer-based exercises that examine the importance of data geo-registration and radiometric calibration in land measurements. Students must pay a $40 lab fee.

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| 0101 | Samuel Goward | Seats (Total: 20) | |
| | W 1:00pm - 3:30pm | LEF 1171 | |

**GEOG788** **Selected Topics in Geography**

**GEOG788** *(PermReq)* **Selected Topics in Geography; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Repeatable to 6 credits if content differs.

**Contact department for information to register for this course.**

**GEOG788M** **Selected Topics in Geography; Migration: Latin America and the United States**

**GEOG788M Selected Topics in Geography: Migration: Latin America and the United States; (3 credits)** Grade Method: REG/AUD/S-F.

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| 0101 | Ronald Luna | Seats (Total: 25) | |
| | MW 2:00pm - 3:15pm | LEF 1222 | |

**GEOG788R** **Selected Topics in Geography; Land Cover Characterization Using Multi-spectral, Multi-Temporal Remotely Sensed Data Sets**

**GEOG788R Selected Topics in Geography: Land Cover Characterization Using Multi-spectral, Multi-Temporal Remotely Sensed Data Sets; (3 credits)** Grade Method: REG/AUD/S-F.

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|---|---|---|---|
| 0101 | Matthew Hansen | Seats (Total: 25) | |
| | M 1:00pm - 3:00pm | LEF 1220 | |
| | W 9:00am - 11:00am | LEF 1136 | Lab |

**GEOG789** **Independent Readings**

**GEOG789** *(PermReq)* **Independent Readings; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Repeatable to 6 credits if content differs.

**Contact department for information to register for this course.**

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**GEOG790** **Internship in Geography**

**GEOG790 Internship in Geography; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Field experience in the student's specialty in a Federal, state, or local agency or private business. Research paper required.

**Contact department for information to register for this course.**

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**GEOG797** **Professional Project**
**Contact department for information to register for this course.**

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**GEOG798** **Selected Topics in Geography: Seminar Series; Seminar Series**

**GEOG798 Selected Topics in Geography: Seminar Series: Seminar Series; (1 credit)** Grade Method: REG/AUD.

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| 0101 | Klaus Hubacek | Seats (Total: 50) |
| | Th 3:30pm - 5:00pm | LEF 1124 |

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**GEOG799** **Master's Thesis Research**

**GEOG799** *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**GEOG898** **Pre-Candidacy Research**

**GEOG898** *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**GEOG899** **Doctoral Dissertation Research**

**GEOG899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# GEOL Geology Spring 2013

**GEOL100** **Physical Geology**

**GEOL100 Physical Geology; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab(if taken with GEOL110).
*Credit only granted for: GEOL100 or GEOL120. Additional information: CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOL 110.* A general survey of the rocks and minerals composing the earth, its surface features and the agents that form them, and the dynamic forces of plate tectonics.

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|---|---|---|---|
| 0101 | Tracey Centorbi<br>MWF 1:00pm - 1:50pm | Seats (Total: 95)<br>JMP 3201 | |
| 0201 | Aaron Martin<br>TuTh 2:00pm - 3:15pm | Seats (Total: 95)<br>BPS 1243 | |

**GEOL102** **Historical Geology**

**GEOL102 Historical Geology; (4 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: GEOL120 or GEOL100; and GEOL110. Or permission of CMNS-Geology department.* Earth's history as revealed through the principles of stratigraphy and the processes of physical geology. Emphasis on formations and geologic development of the North American continent.

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| 0101 | Thomas Holtz<br>MWF 9:00am - 9:50am<br>W 2:00pm - 5:00pm | Seats (Total: 24)<br>PLS 1113<br>GEO 2107 | <br><br>Lab |

**GEOL110** **Physical Geology Laboratory**

**GEOL110 Physical Geology Laboratory; (1 credit)** Grade Method: REG/P-F. *Prerequisite: Must have completed or be concurrently enrolled in GEOL120 or GEOL100. Additional information: CORE Distributive Studies Physical Science Laboratory Course only when taken concurrently with GEOL 100.* The basic materials and tools of physical geology stressing familiarization with rocks and minerals and the use of maps in geologic interpretations. Students must pay a $50.00 lab materials fee.

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|---|---|---|---|
| 0101 | Jeremy Banker, Aaron Martin<br>M 3:00pm - 6:00pm | Seats (Total: 24)<br>GEO 2106 | Lab |
| 0110 | Zachary Reeves, Aaron Martin<br>Tu 12:30pm - 3:30pm | Seats (Total: 20)<br>GEO 2106 | Lab |
| 0201 | Aaron Martin, Emily Worsham<br>M 12:00pm - 3:00pm | Seats (Total: 20)<br>GEO 2106 | Lab |
| 0301 | Aaron Martin, Natalie Sievers<br>Tu 9:00am - 12:00pm | Seats (Total: 20)<br>GEO 2106 | Lab |
| 0401 | Zachary Reeves, Aaron Martin<br>Tu 4:00pm - 7:00pm | Seats (Total: 24)<br>GEO 2106 | Lab |
| 0501 | Aaron Martin, Kevin Miller<br>Th 9:00am - 12:00pm | Seats (Total: 20)<br>GEO 2106 | Lab |
| 0601 | Aaron Martin, Jeremy Banker<br>Th 4:00pm - 7:00pm | Seats (Total: 24)<br>GEO 2106 | Lab |
| 0901 | Emily Worsham, Aaron Martin<br>W 3:00pm - 6:00pm | Seats (Total: 24)<br>GEO 2106 | Lab |

**GEOL120** **Environmental Geology**

**GEOL120 Environmental Geology; (3 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences. *Credit only granted for: GEOL100 or GEOL120.* A review of geologic factors underlying many environmental problems and the interactions between population and physical environment: geologic hazards, land-use planning, conservation, mineral resources, waste disposal, land reclamation, and the geologic aspects of health and disease. The course is aimed at lower division students in education and liberal arts, and should be useful to any student concerned with geologic perspectives of environmental problems.

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| 0201 | Sujay Kaushal<br>TuTh 3:30pm - 4:45pm<br>W 3:00pm - 3:50pm | Seats (Total: 20)<br>CHM 1402<br>PLS 1146 | <br><br>Discussion |
| 0202 | Sujay Kaushal<br>TuTh 3:30pm - 4:45pm<br>W 4:00pm - 4:50pm | Seats (Total: 20)<br>CHM 1402<br>PLS 1146 | <br><br>Discussion |
| 0203 | Sujay Kaushal<br>TuTh 3:30pm - 4:45pm<br>W 5:00pm - 5:50pm | Seats (Total: 20)<br>CHM 1402<br>PLS 1146 | <br><br>Discussion |
| 0204 | Sujay Kaushal<br>TuTh 3:30pm - 4:45pm<br>W 3:00pm - 3:50pm | Seats (Total: 20)<br>CHM 1402<br>PLS 1158 | <br><br>Discussion |
| BL01 | Saswata Hier-Majumder<br>TuTh 12:30pm - 1:45pm<br>M 3:00pm - 3:50pm | Seats (Total: 20)<br>JMP 3201<br>CSS 3332 | <br><br>Discussion |
| | *Blended Learning courses combine face-to-face and online interactions.* | | |
| BL02 | Saswata Hier-Majumder<br>TuTh 12:30pm - 1:45pm<br>M 4:00pm - 4:50pm | Seats (Total: 20)<br>JMP 3201<br>CSS 3332 | <br><br>Discussion |
| | *Blended Learning courses combine face-to-face and online interactions.* | | |
| BL03 | Saswata Hier-Majumder<br>TuTh 12:30pm - 1:45pm<br>M 5:00pm - 5:50pm | Seats (Total: 20)<br>JMP 3201<br>CSS 3332 | <br><br>Discussion |
| | *Blended Learning courses combine face-to-face and online interactions.* | | |

**GEOL123** **Causes and Implications of Global Change**

**GEOL123 Causes and Implications of Global Change; (3 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.
*Also offered as: AOSC123. Credit only granted for: AOSC123, GEOG123, GEOL123, or METO123.* Study of the major components of Earth's climate system and climate change history. Discussion of 21st century climate change prediction, mitigation and adaptation efforts.

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| 0101 | Michael Evans, Rachel Pinker<br>MW 12:00pm - 12:50pm<br>F 9:00am - 9:50am | Seats (Total: 20)<br>CSS 2324<br>PLS 1172 | Discussion |
| 0102 | Michael Evans, Rachel Pinker<br>MW 12:00pm - 12:50pm<br>F 10:00am - 10:50am | Seats (Total: 20)<br>CSS 2324<br>PLS 1172 | Discussion |
| 0103 | Michael Evans, Rachel Pinker<br>MW 12:00pm - 12:50pm<br>F 11:00am - 11:50am | Seats (Total: 20)<br>CSS 2324<br>PLS 1172 | Discussion |
| 0104 | Rachel Pinker, Michael Evans<br>MW 12:00pm - 12:50pm<br>F 9:00am - 9:50am | Seats (Total: 20)<br>CSS 2324<br>PLS 1168 | Discussion |
| 0105 | Rachel Pinker, Michael Evans<br>MW 12:00pm - 12:50pm<br>F 10:00am - 10:50am | Seats (Total: 20)<br>CSS 2324<br>PLS 1168 | Discussion |
| 0106 | Michael Evans, Rachel Pinker<br>MW 12:00pm - 12:50pm<br>F 11:00am - 11:50am | Seats (Total: 20)<br>CSS 2324<br>PLS 1168 | Discussion |

**GEOL204** **Dinosaurs, Early Humans, Ancestors, and Evolution; The Fossil Record of Vanished Worlds of the Prehistoric Past**

**GEOL204 Dinosaurs, Early Humans, Ancestors, and Evolution; The Fossil Record of Vanished Worlds of the Prehistoric Past; (3 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.
Examination of evidence used to reconstruct critical events in the history of life by looking at case studies of significant evolutionary origins, transitions, and extinctions; addressing the role of paleontology in human society, including science education, conservation, and the media.

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| 0101 | Thomas Holtz<br>TuTh 9:30am - 10:45am<br>M 3:00pm - 3:50pm | Seats (Total: 20)<br>CHE 2110<br>PLS 1158 | <br><br>Discussion |
| 0102 | Thomas Holtz<br>TuTh 9:30am - 10:45am<br>M 4:00pm - 4:50pm | Seats (Total: 20)<br>CHE 2110<br>PLS 1158 | <br><br>Discussion |
| 0103 | Thomas Holtz<br>TuTh 9:30am - 10:45am<br>M 5:00pm - 5:50pm | Seats (Total: 20)<br>CHE 2110<br>PLS 1158 | <br><br>Discussion |
| 0104 | Thomas Holtz<br>TuTh 9:30am - 10:45am<br>M 3:00pm - 3:50pm | Seats (Total: 20)<br>CHE 2110<br>PLS 1184 | <br><br>Discussion |
| 0105 | Thomas Holtz<br>TuTh 9:30am - 10:45am<br>M 4:00pm - 4:50pm | Seats (Total: 20)<br>CHE 2110<br>PLS 1184 | <br><br>Discussion |
| 0106 | Thomas Holtz<br>TuTh 9:30am - 10:45am<br>M 5:00pm - 5:50pm | Seats (Total: 20)<br>CHE 2110<br>PLS 1184 | <br><br>Discussion |

**GEOL322** **Mineralogy**

**GEOL322 Mineralogy; (4 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: GEOL120 or GEOL100; and GEOL110. And CHEM131 and CHEM132; or (CHEM135 and CHEM136); or CHEM103. Restriction: Permission of instructor is required for non-degree seeking students.* Basic mineralogy for geology majors. The principles of morphologic crystallography, crystal chemistry, and determinative mineralogy.

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|---|---|---|---|
| 0101 | Sarah Penniston-Dorland | Seats (Total: 24) | |
| | TuTh 11:00am - 12:15pm | PLS 1146 | |
| | Tu 2:00pm - 5:00pm | GEO 2117 | Lab |

**GEOL340** **Geomorphology**

**GEOL340 Geomorphology; (4 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: GEOL120 or GEOL100. Restriction: Permission of instructor is required of non-degree seeking students.* Analysis of landforms, organized on the basis of the geologic processes that have operated during the late Cenozoic. Constructional and erosional landforms related to physical systems operating on geologic structures through time.

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|---|---|---|---|
| 0101 | Karen Prestegaard | Seats (Total: 22) | |
| | TuTh 9:30am - 10:45am | PLS 1117 | |
| | W 10:00am - 1:00pm | GEO 2107 | Lab |

**GEOL342** **Sedimentation and Stratigraphy**

**GEOL342 Sedimentation and Stratigraphy; (4 credits)** Grade Method: REG/P-F.
*Prerequisite: GEOL120 or GEOL100; and GEOL110; and GEOL322. And CHEM103; or (CHEM131 and CHEM132); or (CHEM135 and CHEM136). Restriction: Permission of instructor is required of non-degree-seeking students.* Description, origin, and distribution of sediments and sedimentary rocks. Two mandatory weekend field trips.

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|---|---|---|---|
| 0102 | John Merck | Seats (Total: 15) | |
| | TuTh 11:00am - 12:15pm | PLS 1113 | |
| | Tu 12:30pm - 3:30pm | GEO 2107 | Lab |

**GEOL386** **Experiential Learning**

**GEOL386** *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: Permission of CMNS-Geology department. Restriction: Junior standing or higher.*

**Contact department for information to register for this course.**

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**GEOL393** **Geology Senior Thesis I: Proposal**

**GEOL393 Geology Senior Thesis I: Proposal; (3 credits)** Grade Method: REG.
*Prerequisite: PHYS141 and MATH141. And CHEM131 and CHEM132; or (CHEM135 and CHEM136). And must have completed at least two upper-level geology courses and be concurrently enrolled in a third. Restriction: Junior standing or higher; and must be in Geology program; and non-degree-seeking students require the permission of the instructor.* The first semester of the two-semester Geology Senior Thesis. Emphasis is on developing a plan for original research in the geosciences and presenting that plan both in writing and in public presentations that adhere to geosciences professional standards.

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| 0101 | Philip Candela | Seats (Total: 10) |
| | W 4:30pm - 6:30pm<br>Contact instructor or department for details. | PLS 1113 |

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**GEOL393H** **Geology Senior Thesis I: Proposal**

**GEOL393H Geology Senior Thesis I: Proposal; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PHYS141 and MATH141. And CHEM131 and CHEM132; or (CHEM135 and CHEM136). And must have completed at least two upper-level geology courses and be concurrently enrolled in a third. Restriction: Junior standing or higher; and must be in Geology program; and non-degree-seeking students require the permission of the instructor.* The first semester of the two-semester Geology Senior Thesis. Emphasis is on developing a plan for original research in the geosciences and presenting that plan both in writing and in public presentations that adhere to geosciences professional standards.

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|---|---|---|
| 0101 | Philip Candela | Seats (Total: 10) |
| | W 4:30pm - 6:30pm<br>Contact instructor or department for details. | PLS 1113 |

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**GEOL394** **Geology Senior Thesis II: Research**

**GEOL394 Geology Senior Thesis II: Research; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: GEOL393; and must have completed at least three upper level GEOL courses. Restriction: Must be in Geology program; and junior standing or higher; and in addition, non-degree-seeking students require the permission of the department.* The second semester of the two-semester Geology Senior Thesis. Investigation of specific original research question in geosciences. Emphasis is on completion of original research proposed in GEOL393 and presentation of results both in writing and in public presentations that adhere to geosciences professional standards.

**Contact department for information to register for this course.**

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**GEOL394H** **Geology Senior Thesis II: Research**

**GEOL394H Geology Senior Thesis II: Research; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: GEOL393; and must have completed at least three upper level GEOL courses. Restriction: Must be in Geology program; and junior standing or higher; and in addition, non-degree-seeking students require the permission of the department.* The second semester of the two-semester Geology Senior Thesis. Investigation of specific original research question in geosciences. Emphasis is on completion of original research proposed in GEOL393 and presentation of results both in writing and in public presentations that adhere to geosciences professional standards. For Geology department honors students only.

**Contact department for information to register for this course.**

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**GEOL443** **Petrology**

**GEOL443 Petrology; (4 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: GEOL322. And CHEM131 and CHEM132; or (CHEM135 and CHEM136); or CHEM103. And must have completed or be concurrently enrolled in GEOL423; and (GEOL100 or GEOL120); and GEOL110. Corequisite: Permission of CMNS-Geology department. Restriction: Non-degree-seeking students require the permission of the instructor.* Study of igneous and metamorphic rocks: petrogenesis, distributions, chemical and mineralogical relations, macroscopic and microscopic descriptions, geologic significance.

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| 0101 | Sarah Penniston-Dorland, Richard Walker | Seats (Total: 15) | |
| | TuTh 8:00am - 9:15am | PLS 1113 | |
| | Th 1:00pm - 4:00pm | GEO 2117 | Lab |

**GEOL451** **Groundwater**

**GEOL451 Groundwater; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: GEOL110 and MATH140; and (GEOL120 or GEOL100); and (CHEM131 and CHEM132; or (CHEM135 and CHEM136); or CHEM103). Or permission of CMNS-Geology department. Restriction: Non-degree-seeking students require the permission of the instructor; and junior standing or higher.* An introduction to the basic geologic parameters associated with the hydrologic cycle. Problems in the accumulation, distribution, and movement of groundwater will be analyzed.

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| 0101 | Wenlu Zhu | Seats (Total: 42) |
| | MWF 9:00am - 9:50am | PLS 1119 |

**GEOL455** **Marine Geophysics**

**GEOL455 Marine Geophysics; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: MATH141 and MATH140; and (GEOL120 or GEOL100). Or permission of CMNS-Geology department. Restriction: Non-degree-seeking students require the permission of the instructor. Credit only granted for: GEOL455 or GEOL489E. Formerly: GEOL489E.* Plate tectonics, earthquakes and faulting, isostasy and gravity, heat and mantle dynamics, ocean ridges and transform faults, hydrothermal vents, trenches and oceanic islands, subduction zones, accretionary and erosion wedges, sedimentary basins and continental rifts. Exploration of the oceans using geophysical methods.

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| 0101 | Wenlu Zhu | Seats (Total: 10) | |
| | W 12:00pm - 3:00pm | PLS 1158 | |

**GEOL457** **Seismology**

**GEOL457 Seismology; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: GEOL120 or GEOL100; and (MATH141, GEOL110, and MATH140). Or permission of CMNS-Geology department. Recommended: PHYS171, PHYS141, or PHYS161. Restriction: Non-degree-seeking students require the permission of the instructor. Credit only granted for: GEOL457 or GEOL489A. Formerly: GEOL489A.*
General overview of the basics of seismology, starting with wave propagation, seismic reflection and refraction. Applications to the determination of the seismic velocity and anisotropy structure of the Earth. Earthquake generation, postseismic deformation and creep events, relation to faulting and plate tectonics.

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|---|---|---|---|
| 0101 | Vedran Lekic | Seats (Total: 10) | |
| | TuTh 11:00am - 12:15pm | PLS 1115 | |

**GEOL471** **Geochemical Methods of Analysis**

**GEOL471 Geochemical Methods of Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: CHEM131 and CHEM132; or (CHEM135 and CHEM136); or CHEM103. Restriction: Non-degree-seeking students require the permission of the instructor.*
Principles and application of geochemical analysis as applied to a variety of geological problems. X-ray and optical spectroscopy, X-ray diffraction, atomic absorption, electron microprobe, and electron microscopy.

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| 0101 | William McDonough | Seats (Total: 10) | |
| | M 1:30pm - 2:50pm | PLS 1172 | |
| | W 1:30pm - 2:50pm | PLS 1172 | Discussion |

**GEOL489F** **Special Topics; Stable Isotope Geochemistry: Fundamentals and Applications**

**GEOL489F Special Topics: Stable Isotope Geochemistry: Fundamentals and Applications; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | James Farquhar | Seats (Total: 10) | |
| | TuTh 9:30am - 10:45am | PLS 1162 | |

**GEOL489Q** **Special Topics; Economic Geology**

**GEOL489Q Special Topics: Economic Geology; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Knowledge of petrology and chemistry; permission of the instructor. Study of ore deposit types. Economics of resources. Geological setting, and mineralogy of ore bodies, and the chemical, mathematical, and physical factors affecting source, transport and deposition of ore. Petroleum and natural gas will be included.

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| 0101 | Philip Candela | Seats (Total: 10) |
| | TuTh 11:00am - 12:15pm | GEO 2117 |

**GEOL489R** **Special Topics; Geoscience Communications**

**GEOL489R Special Topics: Geoscience Communications; (3 credits)** Grade Method: REG/P-F/AUD.
This seminar will explore the style and logic of writing abstracts and articles, and the preparation of clear and concise presentations, in order to enhance the quality geoscience communications and hasten the pace of successful publications and placement of graduate students. Formerly: GEOL489S.

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| 0101 | Alan Kaufman | Seats (Total: 10) |
| | F 8:00am - 10:30am | HBK 0103 |

**GEOL489W** **Special Topics; Environmental Geochemistry**

**GEOL489W Special Topics: Environmental Geochemistry; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: MATH115; GEOL100 or GEOL120; one of the following: CHEM103, (CHEM131 and CHEM132), or (CHEM135 and CHEM136); one of the following: GEOL 436 or GEOL444. In addition, non-degree seeking students require the permission of the instructor. An understanding of global geochemical cycles of Earth's surface systems including soils, rivers, lakes, and estuaries. Topics include precipitation chemistry, chemical weathering, chemical composition of rivers, lakes, estuaries, and influence of acid rain, ocean acidification, eutrophication, and nutrient and metals pollution.

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| 0101 | Sujay Kaushal | Seats (Total: 3) | |
| | M 9:00am - 11:50am | PLS 1158 | |

**GEOL497H** **Recent Advances: Geology**

**GEOL497H Recent Advances: Geology; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: Must have completed at least 2 upper-level GEOL courses. Corequisite: GEOL393; and a third upper-level geology course. Restriction: Must be in Geology program; and GPA of 3.0 or better in both overall and in all courses required for the major; and senior standing; and to be taken as late as possible in the program. Credit only granted for: GEOL497 or GEOL489H. Formerly: GEOL489H.* A survey of important recent advances in geological sciences in the context of the methods and practices of scientific research.

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| 0101 | Michael Brown | Seats (Total: 10) | |
| | W 8:00am - 8:50am | PLS 1172 | |
| | M 4:00pm - 6:00pm | PLS 1146 | Lab |

**GEOL499** **Special Problems in Geology**

**GEOL499** *(PermReq)* **Special Problems in Geology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisites: GEOL100 or GEO120, GEOL110, GEOL102; or equivalent; and permission of department. In addition, non-degree-seeking students require the permission of the instructor. Intensive study of a special geologic subject or technique selected after consultation with instructor. Intended to provide training or instruction not available in other courses which will aid the student's development in his or her field of major interest.

**Contact department for information to register for this course.**

**GEOL653** **Advanced Problems in Economic Geology**

**GEOL653 Advanced Problems in Economic Geology; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: GEOL453. Restriction: Non-degree-seeking students require the permission of the instructor.* A systematic study of particular ore deposit types or areas of mineralization, primarily involving major economically important metals. Geologic setting, mineralogy and form and character of the ore bodies, chemical and physical factors affecting source, transport and deposition of ore forming fluids.

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| 0101 | Philip Candela | Seats (Total: 10) |
| | TuTh 11:00am - 12:15pm | GEO 2117 |

**GEOL654** **Fluvial Geomorphology Seminar**

**GEOL654 Fluvial Geomorphology Seminar; (3 credits)** Grade Method: REG/AUD.
*Recommended: GEOL452 and GEOL340. Restriction: Non-degree-seeking students require the permission of the instructor. Credit only granted for: GEOL654 or GEOL789B. Formerly: GEOL789B.* Fluvial geomorphology is the study of the movement of water and sedimentin stream channels. This includes: formation of channels, open channel hydraulics, sediment transport or bedload and suspended load, river morphology and landscape evolution. The course is designed for graduate students and advanced undergraduates.

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| 0101 | Karen Prestegaard | Seats (Total: 12) |
| | W 4:00pm - 6:30pm | PLS 1172 |

**GEOL655** **Marine Geophysics**

**GEOL655 Marine Geophysics; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Permission of CMNS-Geology department. Recommended: GEOL120 or GEOL100; and MATH141. Restriction: Non-degree-seeking students require the permission of the instructor. Credit only granted for: GEOL655 or GEOL789E. Formerly: GEOL789E.* An introduction to geophysical aspects of global tectonics. Quantitative geophysical approached are introduced for: past and present plate motions, seismology and interior of the Earth, gravity and isostasy, heat and mantle dynamics. Ocean ridges, hydrothermal vents, transform faults, oceanic core complex, ocean trenches and subduction zones, accretionary anderosion wedges, rift and rift margins, convergence and collisons, sedimentary basins.

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|---|---|---|---|
| 0101 | Wenlu Zhu | Seats (Total: 10) | |
| | W 12:00pm - 3:00pm | PLS 1158 | |

**GEOL657** **Seismic Wave Propagation**

**GEOL657 Seismic Wave Propagation; (3 credits)** Grade Method: REG/AUD. *Prerequisite: MATH140 and MATH141; and (PHYS141, PHYS161, or PHYS171); and permission of CMNS-Geology department. Recommended: GEOL100 or GEOL120; and (MATH241 and MATH246); and (PHYS260 or PHYS273). Restriction: Non-degree-seeking students require the permission of the instructor. Credit only granted for: GEOL657 or GEOL789A. Formerly: GEOL789A.* A description of the physics of seismic wave propagation and their applications to the determination of the structure of the Earth and the mechanics of earthquakes.

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| 0101 | Vedran Lekic | Seats (Total: 10) | |
| | TuTh 11:00am - 12:15pm | PLS 1115 | |

**GEOL671** **Analytical Methods in Mineralogy**

**GEOL671 Analytical Methods in Mineralogy; (3 credits)** Grade Method: REG/AUD. *Prerequisite: CHEM471. Restriction: Non-degree-seeking students require the permission of the instructor.* An intensive study in the operation and application of instrumentation in mineralogical problems. Emphasis on designing and testing methods of analysis for use in the student's research problems in geology.

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|---|---|---|---|
| 0101 | William McDonough | Seats (Total: 10) | |
| | M 1:30pm - 2:50pm | PLS 1172 | |
| | W 1:30pm - 2:50pm | PLS 1172 | Discussion |

**GEOL789M** **Recent Advances in Geology; Computational Geodynamics**

**GEOL789M Recent Advances in Geology: Computational Geodynamics; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Laurent Montesi | Seats (Total: 10) | |
| | TuTh 9:30am - 10:45am | PLS 1172 | |

**GEOL789Q** **Recent Advances in Geology; Current Topics in Stable Isotope Geochemistry**

**GEOL789Q Recent Advances in Geology: Current Topics in Stable Isotope Geochemistry; (3 credits)** Grade Method: REG/AUD.

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| 0101 | James Farquhar<br>TuTh 9:30am - 10:45am | Seats (Total: 10)<br>PLS 1162 |

**GEOL789R** **Recent Advances in Geology; Geoscience Communications**

**GEOL789R Recent Advances in Geology: Geoscience Communications; (3 credits)** Grade Method: REG/AUD.
Explores the style and logic of writing abstracts and articles, and the preparation of clear and concise presentations, in order to enhance the quality geoscience communications and hasten the pace of successful publications and placement of graduate students. Formerly: GEOL789S.

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| 0101 | Alan Kaufman<br>F 8:00am - 10:30am | Seats (Total: 15)<br>HBK 0103 |

**GEOL789W** **Recent Advances in Geology; Environmental Geochemistry**

**GEOL789W Recent Advances in Geology: Environmental Geochemistry; (3 credits)** Grade Method: REG/AUD.
Prerequisite: MATH115; GEOL100 or GEOL120; one of the following: CHEM103, (CHEM131 and CHEM132), or (CHEM135 and CHEM136); one of the following: GEOL 436 or GEOL444. In addition, non-degree seeking students require the permission of the instructor. An understanding of global geochemical cycles of Earth's surface systems including soils, rivers, lakes, and estuaries. Topics include precipitation chemistry, chemical weathering, chemical composition of rivers, lakes, estuaries, and influence of acid rain, ocean acidification, eutrophication, and nutrient and metals pollution.

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| 0101 | Sujay Kaushal<br>M 9:00am - 11:50am | Seats (Total: 9)<br>PLS 1158 |

**GEOL798** **Seminar in Geology**

**GEOL798** *(PermReq)* **Seminar in Geology; (1-3 credits)** Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**GEOL799** **Master's Thesis Research**

**GEOL799 Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**GEOL898** **Pre-Candidacy Research**

**GEOL898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**GEOL899** **Doctoral Dissertation Research**

**GEOL899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# GERM Germanic Studies Spring 2013

**GERM103** **Intensive Elementary German**

**GERM103 Intensive Elementary German; (4 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed GERM102; and must not be a fluent/native speaker of German. Credit only granted for: GERM102 or GERM103.* Covers speaking, reading, writing, listening, and culture of German-speaking world.

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|---|---|---|
| 0101 | Brian Oxendine<br>MW 10:00am - 10:50am<br>Tu 10:00am - 10:50am<br>F 10:00am - 10:50am | Seats (Total: 25)<br>HBK 0105<br>HBK 0123<br>HBK 0108 |
| 0201 | Anja Ketterl<br>W 2:00pm - 2:50pm<br>Tu 2:00pm - 2:50pm<br>MF 2:00pm - 2:50pm | Seats (Total: 25)<br>JMZ 1124<br>JMZ 1224<br>JMZ 2125 |

**GERM149Y** **Germanic Languages - Elementary II; Yiddish I**

**GERM149Y Germanic Languages - Elementary II: Yiddish I; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as JWST281.

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| 0101 | Agnieszka Legutko<br>TuTh 12:30pm - 1:45pm | Seats (Total: 20)<br>SQH 1123 |

**GERM203** **Intensive Intermediate German**

**GERM203 Intensive Intermediate German; (4 credits)** Grade Method: REG. CORE Humanities (HO) Course.
*Prerequisite: GERM103; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed GERM201; and must not have completed GERM202; and must not be a fluent/native speaker of German. Credit only granted for: GERM202 or GERM203.* Covers speaking, reading, writing, listening, and culture of German-speaking world.

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|---|---|---|
| 0101 | Regina Ianozi<br>MWF 10:00am - 10:50am<br>Tu 10:00am - 10:50am | Seats (Total: 20)<br>JMZ 1122<br>JMZ 1120 |
| 0201 | Petra Volkhausen<br>MWF 12:00pm - 12:50pm<br>Tu 12:00pm - 12:50pm | Seats (Total: 20)<br>JMZ 2125<br>JMZ 1124 |

**GERM204** **German Grammar Review**

**GERM204 German Grammar Review; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
*Prerequisite: GERM203; or Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a fluent/native speaker of German.* An in-depth study and analysis of selected grammatical topics in a contextualized framework.

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|---|---|---|
| 0101 | Katharina Rudolf<br>MWF 11:00am - 11:50am | Seats (Total: 20)<br>JMZ 1103 |

**GERM285** **German Film and Literature**

**GERM285 German Film and Literature; (3 credits)** Grade Method: REG/P-F/AUD. CORE Literature (HL) Course.
A visual approach to German literature through a study of the historical, cultural, and literary significance of German films. Representative examples from the golden age of German silent films to the new German cinema. Taught in English.

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| 0101 | Peter Beicken | Seats (Total: 30) |
| | Tu 12:30pm - 3:00pm | HBK 0302J |
| | Th 12:30pm - 2:00pm | HBK 0302J |

**GERM301** **Conversation and Composition I: Germany and Its People**

**GERM301 Conversation and Composition I: Germany and Its People; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: GERM204; or students who have taken courses with comparable content may contact the department.* Practice in contemporary spoken and written German. Systematic review of grammar, and exercises in composition. Emphasis on cultural contrasts.

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|---|---|---|
| 0101 | Katharina Rudolf | Seats (Total: 20) |
| | MWF 12:00pm - 12:50pm | JMZ 3203 |

**GERM302** **Conversation and Composition II: Current Topics in German Society**

**GERM302 Conversation and Composition II: Current Topics in German Society; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: GERM301; or students who have taken courses with comparable content may contact the department.* Further practice in contemporary spoken and written German. Contemporary social, political, and cultural themes.

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| 0101 | Julie Koser | Seats (Total: 20) |
| | MWF 11:00am - 11:50am | JMZ 1224 |

**GERM319G** **Selected Topics in Germanic Language Studies; Seminar in German Language**
**Contact department for information to register for this course.**

**GERM320** **Survey of German Studies**

**GERM320 Survey of German Studies; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: GERM301; or students who have taken courses with comparable content may contact the department.* Approaches to analysis of German cultural products such as literature, film, poetry, architecture and works of art. Taught in German.

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| 0101 | Peter Beicken<br>TuTh 11:00am - 12:15pm | Seats (Total: 25)<br>Location: TBA |

**GERM320H** **Survey of German Studies**

**GERM320H Survey of German Studies; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: GERM301; or students who have taken courses with comparable content may contact the department.* Approaches to analysis of German cultural products such as literature, film, poetry, architecture and works of art. Taught in German.

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|---|---|---|
| 0101 | Peter Beicken<br>TuTh 11:00am - 12:15pm | Seats (Total: 25)<br>Location: TBA |

**GERM369A** **Special Topics in Study Abroad III; Advanced German I**
**Contact department for information to register for this course.**

**GERM369B** **Special Topics in Study Abroad III; Advanced German II**
**Contact department for information to register for this course.**

**GERM369C** **Special Topics in Study Abroad III; German Composition I**
**Contact department for information to register for this course.**

**GERM369D** **Special Topics in Study Abroad III; German Composition II**
**Contact department for information to register for this course.**

**GERM369L** **Special Topics in Study Abroad III; Contemporary German Literature**
**Contact department for information to register for this course.**

**GERM369P** **Special Topics in Study Abroad III; Pop Culture: European-American Trends**
**Contact department for information to register for this course.**

**GERM386** **Experiential Learning**

**GERM386** *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: Permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Junior standing or higher.*

**Contact department for information to register for this course.**

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**GERM389F** **Topics in Germanic Culture; Berlin: History, Memory, Literature**
**Contact department for information to register for this course.**

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**GERM397H** **Honors Reading (Independent Study)**

**GERM397H Honors Reading (Independent Study); (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Supervised reading to be taken normally only by students admitted into honors program.

**Contact department for information to register for this course.**

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**GERM399** **Selected Topics in Germanic Studies**
**Contact department for information to register for this course.**

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**GERM399F** **Selected Topics in Germanic Studies; The Human Condition and the Totalitarian Experience**
**Contact department for information to register for this course.**

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**GERM403** **Advanced Composition: German Cultural and Social Issues**

**GERM403 Advanced Composition: German Cultural and Social Issues; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: GERM302; or students who have taken courses with comparable content may contact the department.* Advanced instruction in writing skills. Contemporary and/or historical treatment of cultural and social issues.

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|---|---|---|
| 0101 | Claudia Biester | Seats (Total: 20) |
| | TuTh 9:30am - 10:45am | JMZ 1122 |

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**GERM403H** **Advanced Composition: German Cultural and Social Issues**

**GERM403H Advanced Composition: German Cultural and Social Issues; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: GERM302; or students who have taken courses with comparable content may contact the department.* Advanced instruction in writing skills. Contemporary and/or historical treatment of cultural and social issues.

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|---|---|---|
| 0101 | Claudia Biester | Seats (Total: 20) |
| | TuTh 9:30am - 10:45am | JMZ 1122 |

**GERM411** **German for International Business I**
**Contact department for information to register for this course.**

**GERM439G** **Selected Topics in German Literature; Literature as Culture in the 19th-20th Century**

**GERM439G Selected Topics in German Literature: Literature as Culture in the 19th-20th Century; (3 credits)** Grade Method: REG/P-F/AUD.
Taught in German.

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| 0101 | Elke Frederiksen | Seats (Total: 25) |
| | Th 4:30pm - 7:00pm | JMZ 3205 |

**GERM449P** **Selected Topics in Germanic Studies; Pagan Gods, Christian Saints and Divine Heroes**

**GERM449P Selected Topics in Germanic Studies: Pagan Gods, Christian Saints and Divine Heroes; (3 credits)** Grade Method: REG/P-F/AUD.
Taught in English.

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|---|---|---|
| 0101 | Rose-Marie Oster | Seats (Total: 30) |
| | TuTh 2:00pm - 3:15pm | JMZ 2123 |

**GERM498** **Honors Thesis Writing**
**Contact department for information to register for this course.**

**GERM499** **Directed Study**

**GERM499** *(PermReq)* **Directed Study; (1-3 credits)** Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**GERM689V** **Special Topics - M.A. Level; Verbrecher, Banditen, Aussenseiter**

**GERM689V Special Topics - M.A. Level: Verbrecher, Banditen, Aussenseiter; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Julie Koser | Seats (Total: 10) |
| | Tu 3:30pm - 6:00pm | JMZ 3206 |

**GERM798** **Master's Independent Study**

**GERM798 Master's Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**GERM799** **Master's Thesis Research**

**GERM799 Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**GERM828V** **Seminar: The 18th Century; Verbrecher, Banditen, Aussenseiter**

**GERM828V Seminar: The 18th Century: Verbrecher, Banditen, Aussenseiter; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Julie Koser | Seats (Total: 10) |
| | Tu 3:30pm - 6:00pm | JMZ 3206 |

**GERM888** **Doctoral Independent Study**

**GERM888** *(PermReq)* **Doctoral Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**GERM898** **Pre-Candidacy Research**

**GERM898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**GERM899** **Doctoral Dissertation Research**

**GERM899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# GREK Greek Spring 2013

**GREK102** **Elementary Ancient Greek II**

**GREK102 Elementary Ancient Greek II; (4 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: GREK101; or students who have taken courses with comparable content may contact the department.* Continuing development of basic grammar and reading skills; study and discussion of central aspects of Greek culture.

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|---|---|---|---|
| 0101 | Jorge Bravo | Seats (Total: 15) | |
| | MWF 2:00pm - 2:50pm | ARM 0120 | |
| | W 1:00pm - 1:50pm | ARM 0120 | Discussion |

**GREK112** **Elementary Modern Greek II**

**GREK112 Elementary Modern Greek II; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: GREK111; or permission of instructor. Credit only granted for: FOLA109G or GREK112. Formerly: FOLA109G.* It is designed for students who have already completed the first semester course (GREK111) and/or those whose level of proficiency in Greek is not advanced enough for the intermediate level. Like GREK111, an introduction is provided to the language and culture of modern Greece. Students acquire the basic tools of the language and learn to communicate in simple, everyday situations. This is the second of our two-semester sequence in Elementary Modern Greek and contributes to the fulfillment of the Global Engagement requirement of the College of Arts and Humanities.

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| 0101 | Polyvia Parara | Seats (Total: 25) |
| | MWF 12:00pm - 12:50pm | ASY 3221 |

**GREK212** **Intermediate Modern Greek II**

**GREK212 Intermediate Modern Greek II; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: GREK211; or permission of instructor. Credit only granted for: FOLA119G or GREK212. Formerly: FOLA119G.* A continuation in the development of fluency in spoken and written communication along with the exploration of syntactic and grammatical structures. Comprehension and vocabulary enrichment are further developed through selected readings from Modern Greek prose and poetry. This is the second of our two-semester sequence in Intermediate Modern Greek and contributes to the fulfillment of the Global Engagement requirement of the College of Arts and Humanities.

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| 0101 | Polyvia Parara | Seats (Total: 15) |
| | MW 2:00pm - 3:15pm | WDS 1127 |

**GREK301** **Scenes from Athenian Life**

**GREK301 Scenes from Athenian Life; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
*Credit only granted for: GREK301 or GREK351. Formerly: GREK351.* Makes the transition from study of Greek grammar to reading. Focus on selected aspects of life in Athens: marriage, friendship, the courts, festival, theatre. Reading short works by three authors: Lysias, Plato, and a playwright (e.g., Menander). Readings are in ancient Greek.

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| 0101 | Francisco Barrenechea | Seats (Total: 30) |
| | MW 3:30pm - 4:45pm | ARM 0103 |

**GREK398B** **Advanced Modern Greek; Language and Culture**

**GREK398B Advanced Modern Greek: Language and Culture; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Polyvia Parara | Seats (Total: 10) |
| | MWF 10:00am - 10:50am | MMH 1218 |

**GREK415** **Homer**

**GREK415 Homer; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Permission of ARHU-Classics department.* Extensive readings in Greek from the Iliad or the Odyssey, with special attention to the features of Homeric style and the relationship between the two epics.

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| 0101 | Lillian Doherty<br>Th 3:30pm - 6:00pm | Seats (Total: 15)<br>MMH 1218 |

**GREK499** **Independent Study in Greek Language and Literature**

**GREK499** *(PermReq)* **Independent Study in Greek Language and Literature; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**GREK604** **Homer**

**GREK604 Homer; (3 credits)** Grade Method: REG/AUD.
The extensive and intensive reading of Homer, with concentration on one of his two epics. Discussion of the language, artistic qualities, and thought of the poems, and of modern views concerning their orgin and literary qualities.

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| 0101 | Lillian Doherty<br>Th 3:30pm - 6:00pm | Seats (Total: 10)<br>MMH 1218 |

**GREK699** **Independent Study in Greek Literature**

**GREK699** *(PermReq)* **Independent Study in Greek Literature; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**GREK799** **Master's Thesis Research**

**GREK799** *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# GVPT Government and Politics Spring 2013

**GVPT100** **Scope and Methods for Political Science Research**

**GVPT100 Scope and Methods for Political Science Research; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
An introduction to empirical research in political science.

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|---|---|---|---|
| 0101 | Sarah Croco<br>MW 11:00am - 11:50am<br>F 9:00am - 9:50am | Seats (Total: 25)<br>KEY 0106<br>TYD 2110 | Discussion |
| 0102 | Sarah Croco<br>MW 11:00am - 11:50am<br>F 9:00am - 9:50am | Seats (Total: 25)<br>KEY 0106<br>TYD 1108 | Discussion |
| 0103 | Sarah Croco<br>MW 11:00am - 11:50am<br>F 9:00am - 9:50am | Seats (Total: 25)<br>KEY 0106<br>TYD 0101 | Discussion |
| 0104 | Sarah Croco<br>MW 11:00am - 11:50am<br>F 10:00am - 10:50am | Seats (Total: 25)<br>KEY 0106<br>TYD 1108 | Discussion |
| 0105 | Sarah Croco<br>MW 11:00am - 11:50am<br>F 10:00am - 10:50am | Seats (Total: 25)<br>KEY 0106<br>TYD 0111 | Discussion |
| 0106 | Sarah Croco<br>MW 11:00am - 11:50am<br>F 10:00am - 10:50am | Seats (Total: 25)<br>KEY 0106<br>TYD 2108 | Discussion |
| 0107 | Sarah Croco<br>MW 11:00am - 11:50am<br>F 1:00pm - 1:50pm | Seats (Total: 25)<br>KEY 0106<br>TYD 1101 | Discussion |
| 0108 | Sarah Croco<br>MW 11:00am - 11:50am<br>F 1:00pm - 1:50pm | Seats (Total: 25)<br>KEY 0106<br>TYD 2110 | Discussion |
| 0109 | Sarah Croco<br>MW 11:00am - 11:50am<br>F 1:00pm - 1:50pm | Seats (Total: 25)<br>KEY 0106<br>TYD 2108 | Discussion |

**GVPT170** **American Government**

**GVPT170 American Government; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.

A comprehensive study of national government in the United States.

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| 0101 | Kristina Miler<br>MW 1:00pm - 1:50pm<br>F 9:00am - 9:50am | Seats (Total: 2)<br>SKN 0200<br>TYD 2108 | Discussion |
| 0102 | Kristina Miler<br>MW 1:00pm - 1:50pm<br>F 9:00am - 9:50am | Seats (Total: 2)<br>SKN 0200<br>TYD 0111 | Discussion |
| 0103 | Kristina Miler<br>MW 1:00pm - 1:50pm<br>F 9:00am - 9:50am | Seats (Total: 2)<br>SKN 0200<br>TYD 1114 | Discussion |
| 0104 | Kristina Miler<br>MW 1:00pm - 1:50pm<br>F 10:00am - 10:50am | Seats (Total: 2)<br>SKN 0200<br>TYD 2110 | Discussion |
| 0105 | Kristina Miler<br>MW 1:00pm - 1:50pm<br>F 10:00am - 10:50am | Seats (Total: 2)<br>SKN 0200<br>TYD 2109 | Discussion |
| 0106 | Kristina Miler<br>MW 1:00pm - 1:50pm<br>F 10:00am - 10:50am | Seats (Total: 2)<br>SKN 0200<br>TYD 1114 | Discussion |
| 0107 | Kristina Miler<br>MW 1:00pm - 1:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 2)<br>SKN 0200<br>TYD 1114 | Discussion |
| 0108 | Kristina Miler<br>MW 1:00pm - 1:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 2)<br>SKN 0200<br>TYD 0111 | Discussion |

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| 0109 | Kristina Miler<br>MW 1:00pm - 1:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 2)<br>SKN 0200<br>TYD 1118 | Discussion |

**GVPT200** **International Political Relations**

**GVPT200 International Political Relations; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies. *Prerequisite: GVPT100.* A study of the major factors underlying international relations, the causes of conflict and cooperation among international actors, the role of international institutions, the interactions of domestic and foreign policies, and major issues in security, economy and the environment.

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| 0101 | Scott Kastner<br>MW 10:00am - 10:50am<br>F 9:00am - 9:50am | Seats (Total: 25)<br>TYD 0130<br>TYD 1118 | Discussion |
| 0102 | Scott Kastner<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am | Seats (Total: 25)<br>TYD 0130<br>TYD 1132 | Discussion |
| 0103 | Scott Kastner<br>MW 10:00am - 10:50am<br>F 11:00am - 11:50am | Seats (Total: 25)<br>TYD 0130<br>TYD 0101 | Discussion |
| 0104 | Scott Kastner<br>MW 10:00am - 10:50am<br>F 9:00am - 9:50am | Seats (Total: 25)<br>TYD 0130<br>TYD 2102 | Discussion |
| 0105 | Scott Kastner<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am | Seats (Total: 25)<br>TYD 0130<br>TYD 2102 | Discussion |
| 0106 | Scott Kastner<br>MW 10:00am - 10:50am<br>F 11:00am - 11:50am | Seats (Total: 25)<br>TYD 0130<br>TYD 1108 | Discussion |
| 0107 | Scott Kastner<br>MW 10:00am - 10:50am<br>F 1:00pm - 1:50pm | Seats (Total: 25)<br>TYD 0130<br>TYD 2102 | Discussion |

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| 0108 | Scott Kastner<br>MW 10:00am - 10:50am<br>F 1:00pm - 1:50pm | Seats (Total: 25)<br>TYD 0130<br>TYD 1132 | Discussion |
| 0109 | Scott Kastner<br>MW 10:00am - 10:50am<br>F 11:00am - 11:50am | Seats (Total: 25)<br>TYD 0130<br>TYD 2110 | Discussion |

**GVPT221** **Introduction to Formal Theories of Political Behavior and Politics**

**GVPT221 Introduction to Formal Theories of Political Behavior and Politics; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: GVPT170.* An introduction to the theories of rational choice including theories of negotiation and bargaining, elections and voting in democracies, community organizing and the contrast between the roles and performances of government and market.

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| 0101 | Piotr Swistak<br>Th 2:00pm - 4:45pm | Seats (Total: 50)<br>TYD 0102 |

**GVPT227** **The Craft of Political Science Research**

**GVPT227 The Craft of Political Science Research; (4 credits)** Grade Method: REG.
*Prerequisite: GVPT100 and GVPT170. Restriction: Must be in a major in BSOS-College of Behavioral & Social Sciences; and sophomore standing or higher.* An introduction to research design and statistics applicable to political science.

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| 0101 | James Gimpel<br>TuTh 12:30pm - 2:10pm | Seats (Total: 30)<br>PLS 1129 |

**GVPT240** **Political Ideologies**
**Contact department for information to register for this course.**

**GVPT241** **The Study of Political Philosophy: Ancient and Modern**

**GVPT241 The Study of Political Philosophy: Ancient and Modern; (3 credits)**
Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
*Prerequisite: GVPT100. Restriction: Must be in Government & Politics program.*
Examines some of the salient continuities and breaks between the ancient and modern traditions in Western political philosophy.

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|---|---|---|---|
| 0101 | James Glass<br>MW 2:00pm - 2:50pm<br>F 9:00am - 9:50am | Seats (Total: 20)<br>SKN 0200<br>TYD 1132 | Discussion |
| 0102 | James Glass<br>MW 2:00pm - 2:50pm<br>F 10:00am - 10:50am | Seats (Total: 20)<br>SKN 0200<br>ASY 3215 | Discussion |
| 0103 | James Glass<br>MW 2:00pm - 2:50pm<br>F 11:00am - 11:50am | Seats (Total: 20)<br>SKN 0200<br>TYD 1114 | Discussion |
| 0104 | James Glass<br>MW 2:00pm - 2:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 20)<br>SKN 0200<br>TYD 1108 | Discussion |
| 0105 | James Glass<br>MW 2:00pm - 2:50pm<br>F 10:00am - 10:50am | Seats (Total: 20)<br>SKN 0200<br>TYD 1102 | Discussion |
| 0106 | James Glass<br>MW 2:00pm - 2:50pm<br>F 11:00am - 11:50am | Seats (Total: 20)<br>SKN 0200<br>TYD 2108 | Discussion |
| 0107 | James Glass<br>MW 2:00pm - 2:50pm<br>F 9:00am - 9:50am | Seats (Total: 20)<br>SKN 0200<br>SQH 1107 | Discussion |
| 0108 | James Glass<br>MW 2:00pm - 2:50pm<br>F 10:00am - 10:50am | Seats (Total: 20)<br>SKN 0200<br>SQH 1105 | Discussion |

**GVPT241H** **The Study of Political Philosophy: Ancient and Modern**

**GVPT241H** *(PermReq)* **The Study of Political Philosophy: Ancient and Modern; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.

*Prerequisite: GVPT100. Restriction: Must be in Government & Politics program.*

Examines some of the salient continuities and breaks between the ancient and modern traditions in Western political philosophy.

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|---|---|---|
| 0101 | James Glass | Seats (Total: 16) |
| | W 3:30pm - 6:15pm | TYD 1114 |

**GVPT258B** **Introduction to Political Science Topics in Study Abroad; Enemy Within: Spies and Espionage in the Cold War**

**Contact department for information to register for this course.**

**GVPT258C** **Introduction to Political Science Topics in Study Abroad; Government and Politics in China**

**Contact department for information to register for this course.**

**GVPT258D** **Introduction to Political Science Topics in Study Abroad; Danish Politics and Society**

**Contact department for information to register for this course.**

**GVPT258J** **Introduction to Political Science Topics in Study Abroad; Comparative Foreign Policy_Haifa**

**Contact department for information to register for this course.**

**GVPT258N** **Introduction to Political Science Topics in Study Abroad; Arms Control in the Nuclear Realm**

**Contact department for information to register for this course.**

**GVPT258P** **Introduction to Political Science Topics in Study Abroad; Sustainable Development: Environmental, Political and Social Issues**

**Contact department for information to register for this course.**

**GVPT258Q** **Introduction to Political Science Topics in Study Abroad; Latin American Social Revolutions**

**Contact department for information to register for this course.**

**GVPT258R** **Introduction to Political Science Topics in Study Abroad; Peace & Conflict Honors Seminar II: Regional Conflicts**

**Contact department for information to register for this course.**

**GVPT273** **Introduction to Environmental Politics**

**GVPT273 Introduction to Environmental Politics; (3 credits)** Grade Method: REG/P-F/AUD.
An overview of modern environmental philosophy, politics, and policy, exploring environmental politics in the US by way of comparison with other developed and developing countries.

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|---|---|---|---|
| 0101 | Jennifer Hadden<br>TuTh 12:30pm - 1:20pm<br>F 10:00am - 10:50am | Seats (Total: 25)<br>TYD 2109<br>EDU 0114 | <br><br>Discussion |
| 0102 | Jennifer Hadden<br>TuTh 12:30pm - 1:20pm<br>F 9:00am - 9:50am | Seats (Total: 25)<br>TYD 2109<br>EDU 0114 | <br><br>Discussion |
| 0103 | Jennifer Hadden<br>TuTh 12:30pm - 1:20pm<br>Th 2:00pm - 2:50pm | Seats (Total: 25)<br>TYD 2109<br>TYD 1101 | <br><br>Discussion |

**GVPT280** **Comparative Politics and Governments**

**GVPT280 Comparative Politics and Governments; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: GVPT100.* An introduction to the comparative study of politics and governance, including the analytical frameworks for studies of politics and governmental institutions and a survey of the major types of European regimes.

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|---|---|---|
| 0101 | Margaret Pearson<br>TuTh 12:30pm - 1:45pm | Seats (Total: 75)<br>TYD 0117 |

**GVPT282** **Politics and the Developing World**

**GVPT282 Politics and the Developing World; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
A study of the domestic governmental institutions; processes and problems such as conflict and economic development; and the socio-economic environments that are common to developing countries of Africa, the Middle East, Asia, and Latin America.

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|---|---|---|---|
| 0101 | John McCauley<br>MW 10:00am - 10:50am<br>F 9:00am - 9:50am | Seats (Total: 25)<br>SHM 2102<br>EDU 3236 | Discussion |
| 0102 | John McCauley<br>MW 10:00am - 10:50am<br>F 9:00am - 9:50am | Seats (Total: 25)<br>SHM 2102<br>EDU 3233 | Discussion |
| 0103 | John McCauley<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am | Seats (Total: 25)<br>SHM 2102<br>HJP 1125 | Discussion |
| 0104 | John McCauley<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am | Seats (Total: 25)<br>SHM 2102<br>TLF 1101 | Discussion |
| 0105 | John McCauley<br>MW 10:00am - 10:50am<br>F 1:00pm - 1:50pm | Seats (Total: 25)<br>SHM 2102<br>ASY 3221 | Discussion |
| 0106 | John McCauley<br>MW 10:00am - 10:50am<br>F 1:00pm - 1:50pm | Seats (Total: 25)<br>SHM 2102<br>EDU 0206 | Discussion |

**GVPT289A** **Special Topics in Government and Politics; Appetite for Change: Politics and The Globalization of Food**

**GVPT289A Special Topics in Government and Politics: Appetite for Change: Politics and The Globalization of Food; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

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|---|---|---|---|
| 0101 | Virginia Haufler<br>MW 2:00pm - 2:50pm<br>F 9:00am - 9:50am | Seats (Total: 20)<br>ASY 2309<br>LEF 1221 | Discussion |
| 0102 | Virginia Haufler<br>MW 2:00pm - 2:50pm<br>F 10:00am - 10:50am | Seats (Total: 20)<br>ASY 2309<br>LEF 1221 | Discussion |

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|---|---|---|---|
| 0103 | Virginia Haufler<br>MW 2:00pm - 2:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 20)<br>ASY 2309<br>LEF 1222 | Discussion |
| 0104 | Virginia Haufler<br>MW 2:00pm - 2:50pm<br>F 9:00am - 9:50am | Seats (Total: 20)<br>ASY 2309<br>LEF 1222 | Discussion |
| 0105 | Virginia Haufler<br>MW 2:00pm - 2:50pm<br>F 10:00am - 10:50am | Seats (Total: 20)<br>ASY 2309<br>LEF 1222 | Discussion |
| 0106 | Virginia Haufler<br>MW 2:00pm - 2:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 20)<br>ASY 2309<br>LEF 1221 | Discussion |

**GVPT289B** **Special Topics in Government and Politics; Globalization**
**Contact department for information to register for this course.**

**GVPT289E** **Special Topics in Government and Politics; Economy and Society**
**Contact department for information to register for this course.**

**GVPT289G** **Special Topics in Government and Politics; Global Perspectives on Development**
**Contact department for information to register for this course.**

**GVPT289J** **Special Topics in Government and Politics; Uncertain Partners: The US and China in a Changing World**

**GVPT289J Special Topics in Government and Politics: Uncertain Partners: The US and China in a Changing World; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Signature Courses - I-Series.

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|---|---|---|---|
| 0101 | Scott Kastner<br>MW 2:00pm - 2:50pm<br>F 9:00am - 9:50am | Seats (Total: 20)<br>CHE 2110<br>HJP 1125 | Discussion |
| 0102 | Scott Kastner<br>MW 2:00pm - 2:50pm<br>F 9:00am - 9:50am | Seats (Total: 20)<br>CHE 2110<br>SKN 1115 | Discussion |

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|---|---|---|---|
| 0103 | Scott Kastner<br>MW 2:00pm - 2:50pm<br>F 10:00am - 10:50am | Seats (Total: 20)<br>CHE 2110<br>LEF 2208 | Discussion |
| 0104 | Scott Kastner<br>MW 2:00pm - 2:50pm<br>F 10:00am - 10:50am | Seats (Total: 20)<br>CHE 2110<br>WDS 1127 | Discussion |
| 0105 | Scott Kastner<br>MW 2:00pm - 2:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 20)<br>CHE 2110<br>EDU 3236 | Discussion |
| 0106 | Scott Kastner<br>MW 2:00pm - 2:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 20)<br>CHE 2110<br>HJP 1125 | Discussion |

**GVPT289P** **Special Topics in Government and Politics; Citizenship and Ethics**
**Contact department for information to register for this course.**

**GVPT289T** **Special Topics in Government and Politics; Issues and Controversies in 21st Century**
**Contact department for information to register for this course.**

**GVPT289X** **Special Topics in Government and Politics; Introduction to the European Union**
**Contact department for information to register for this course.**

**GVPT289Y** **Special Topics in Government and Politics; Theories of Peace and Conflict**
**Contact department for information to register for this course.**

**GVPT306** **Global Environmental Politics**

**GVPT306 Global Environmental Politics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: GVPT200.* Focus on three processes of international environmental policy development- identifying problems, negotiating solutions, and implementing agreements- through a range of case studies, including global climate change.

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|---|---|---|---|
| 0101 | Jennifer Hadden<br>TuTh 2:00pm - 3:15pm | Seats (Total: 45)<br>TYD 0111 | |

**GVPT309H** **Topics in International Relations; British Politics**

**Contact department for information to register for this course.**

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**GVPT309I** **Topics in International Relations; Cleavages in Israel - and the Search for Common Ground**
**Contact department for information to register for this course.**

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**GVPT309L** **Topics in International Relations; International Relations of China**

**GVPT309L Topics in International Relations: International Relations of China; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. Credit only granted for: GVPT454 or 309L.

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|---|---|---|---|
| 0101 | Margaret Pearson | Seats (Total: 30) | |
| | TuTh 9:30am - 10:45am | TYD 1132 | |

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**GVPT317** **Mock Trial II: Advanced Trial Advocacy**

**GVPT317** *(PermReq)* **Mock Trial II: Advanced Trial Advocacy; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: GVPT217. Credit only granted for: GVPT317 or GVPT319B. Formerly: GVPT319B.* Development of trial advocacy skills through participation in practice trials and intercollegiate mock trial competitions. Student may have an opportunity to represent the university in intercollegiate mock trial tournaments, including the National Mock Trial Championships.

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| 0101 | Mark Graber | Seats (Total: 30) | |
| | W 6:30pm - 9:15pm | TYD 2106 | |

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**GVPT331** **Law and Society**

**GVPT331 Law and Society; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: GVPT170. Restriction: Must not have completed GVPT231.* A study of the basis of law and its relationship with various contemporary institutions such as the courts, the legal profession, and society at large.

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|---|---|---|---|
| 0101 | Robert Koulish | Seats (Total: 25) | |
| | MW 10:00am - 10:50am | ARM 0135 | |
| | F 9:00am - 9:50am | EDU 3315 | Discussion |

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|---|---|---|---|
| 0102 | Robert Koulish<br>MW 10:00am - 10:50am<br>F 9:00am - 9:50am | Seats (Total: 25)<br>ARM 0135<br>EDU 2119 | Discussion |
| 0103 | Robert Koulish<br>MW 10:00am - 10:50am<br>F 9:00am - 9:50am | Seats (Total: 25)<br>ARM 0135<br>EDU 1121 | Discussion |
| 0104 | Robert Koulish<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am | Seats (Total: 25)<br>ARM 0135<br>EDU 1121 | Discussion |
| 0105 | Robert Koulish<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am | Seats (Total: 25)<br>ARM 0135<br>EDU 3315 | Discussion |
| 0106 | Robert Koulish<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am | Seats (Total: 25)<br>ARM 0135<br>HBK 0105 | Discussion |
| 0107 | Robert Koulish<br>MW 10:00am - 10:50am<br>F 1:00pm - 1:50pm | Seats (Total: 25)<br>ARM 0135<br>EDU 0212 | Discussion |
| 0108 | Robert Koulish<br>MW 10:00am - 10:50am<br>F 1:00pm - 1:50pm | Seats (Total: 25)<br>ARM 0135<br>EDU 1121 | Discussion |
| 0109 | Robert Koulish<br>MW 10:00am - 10:50am<br>F 1:00pm - 1:50pm | Seats (Total: 25)<br>ARM 0135<br>EDU 1107 | Discussion |

**GVPT339A** **Topics in Public Law; Criminal Law**

**GVPT339A Topics in Public Law: Criminal Law; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|---|
| 0101 | Frank Kratovil<br>Tu 6:00pm - 7:40pm<br>F 9:00am - 9:50am | Seats (Total: 25)<br>TYD 2106<br>EDU 1107 | Discussion |

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|---|---|---|---|
| 0102 | Frank Kratovil<br>Tu 6:00pm - 7:40pm<br>F 10:00am - 10:50am | Seats (Total: 25)<br>TYD 2106<br>EDU 1107 | <br><br>Discussion |
| 0103 | Frank Kratovil<br>Tu 6:00pm - 7:40pm<br>F 1:00pm - 1:50pm | Seats (Total: 25)<br>TYD 2106<br>TYD 1108 | <br><br>Discussion |

**GVPT339B** **Topics in Public Law; Comparative Justice**

**GVPT339B Topics in Public Law: Comparative Justice; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|---|
| SG91 | Brent Newton<br>W 6:30pm - 9:00pm<br>*Limited to CCJS students at Shady Grove.* | Seats (Total: 20)<br>BLD3 4206 | |

**GVPT349** **Topics in Political Philosophy**
**Contact department for information to register for this course.**

**GVPT349Z** **Topics in Political Philosophy; Political Thought**
**Contact department for information to register for this course.**

**GVPT355** **Capstone I: International Development and Conflict Management**

**GVPT355** *(PermReq)* **Capstone I: International Development and Conflict Management; (3 credits)** Grade Method: REG/P-F/AUD.
*Recommended: GVPT354. Restriction: Sophomore standing or higher; and permission of BSOS-Government & Politics department.* Serves as one of the two capstone courses for the Minor in International Development and Conflict Management. Focuses on advanced level analysis of theories of international development and conflict management.

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| 0101 | Kathleen Cunningham<br>TuTh 2:00pm - 2:50pm<br>F 9:00am - 9:50am | Seats (Total: 25)<br>TYD 2109<br>JMZ 1215 | <br><br>Discussion |

| | | | |
|---|---|---|---|
| 0102 | Kathleen Cunningham<br>TuTh 2:00pm - 2:50pm<br>F 10:00am - 10:50am | Seats (Total: 25)<br>TYD 2109<br>TYD 0102 | <br><br>Discussion |
| 0103 | Kathleen Cunningham<br>TuTh 2:00pm - 2:50pm<br>F 11:00am - 11:50am | Seats (Total: 25)<br>TYD 2109<br>JMP 2202 | <br><br>Discussion |

**GVPT356** **Capstone II: International Development and Conflict Management**

**GVPT356** *(PermReq)* **Capstone II: International Development and Conflict Management; (3 credits)** Grade Method: REG/P-F/AUD. *Recommended: GVPT354. Restriction: Sophomore standing or higher; and permission of BSOS-Government & Politics department.* Serves as one of the two capstone courses for the Minor in Internationa Development and Conflict Management. Focuses on real world experience and best practices and designed to provide students an introduction to, and a chance to practice with, a core set of practical skills relevant to the fields of international development, humanitarian relief and conflict management.

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| 0101 | Stacy Kosko<br>M 3:30pm - 6:15pm | Seats (Total: 40)<br>WDS 1114 |

**GVPT358A** **Study Abroad Seminar in Political Science; Migration and Multiculturalism in Europe**
**Contact department for information to register for this course.**

**GVPT358E** **Study Abroad Seminar in Political Science; Sino-U.S. Relations and the Rise of Asia**
**Contact department for information to register for this course.**

**GVPT358F** **Study Abroad Seminar in Political Science; Government and Politics in France**
**Contact department for information to register for this course.**

**GVPT358J** **Study Abroad Seminar in Political Science; Chinas Media and Politics in the Context of Globalization**
**Contact department for information to register for this course.**

**GVPT358P** **Study Abroad Seminar in Political Science; Political Rhetoric: Blogs, Speeches, and Spin**
**Contact department for information to register for this course.**

**GVPT358R** **Study Abroad Seminar in Political Science; Religion and Politics in Europe**
**Contact department for information to register for this course.**

**GVPT359** **Topics in Comparative Politics**
**Contact department for information to register for this course.**

**GVPT359Z** **Topics in Comparative Politics; Parliament, Politics and Policy Making**
**Contact department for information to register for this course.**

**GVPT360** **International Negotiations**

**GVPT360 International Negotiations; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: GVPT200.* A study of the complexities of international negotiation and cross-cultural decision-making. Students will apply advanced computer technology in an interactive simulation involving actual negotiations.

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| 0101 | Guy Ziv<br>WF 1:00pm - 1:50pm<br>M 9:00am - 9:50am | Seats (Total: 25)<br>TYD 0117<br>TYD 1108 | <br><br>Discussion |
| 0102 | Guy Ziv<br>WF 1:00pm - 1:50pm<br>M 10:00am - 10:50am | Seats (Total: 25)<br>TYD 0117<br>TYD 1108 | <br><br>Discussion |
| 0103 | Guy Ziv<br>WF 1:00pm - 1:50pm<br>M 1:00pm - 1:50pm | Seats (Total: 25)<br>TYD 0117<br>TYD 1108 | <br><br>Discussion |

**GVPT376** **Applied Field Research in Government and Politics**

**GVPT376** *(PermReq)* **Applied Field Research in Government and Politics; (3-6 credits)** Grade Method: S-F.
*Prerequisite: GVPT170. Corequisite: GVPT377.* Students in this course participate as interns in an agency of government or in some other appropriate political organization. Assignments are arranged to provide students with insights into both theoretical and practical aspects of politics. Under the tutelage of the host agency and an academic advisor, students conduct a major research project of mutual interest to the student and his or her host agency in the field of government and politics. GVPT majors only and departmental permission to register.

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|---|---|---|
| 0101 | Gilbert Nunez | Seats (Total: 40) |
| | Contact instructor or department for details. | |

**GVPT377** **Seminar For Academic Interns**

**GVPT377** *(PermReq)* **Seminar For Academic Interns; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: GVPT170. Corequisite: GVPT376.* The application of major concepts of political science to the realities of the political process. Readings and discussion attempt to relate the experiences of the academic interns to appropriate literature on the subject of political decision-making. GVPT majors only and must have departmental permission to register.

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| 0101 | Gilbert Nunez | Seats (Total: 40) |
| | M 6:30pm - 9:15pm | TYD 0101 |

**GVPT378D** **Special Topics in Government and Politics; Media Campaigns in Israel**

**GVPT378D Special Topics in Government and Politics: Media Campaigns in Israel; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Sam Lehman-Wilzig | Seats (Total: 15) |
| | W 3:30pm - 6:00pm | JMZ 2117 |

**GVPT378E** **Special Topics in Government and Politics; Elections in Israel, 1949-2013: From Platform to Personality**

**GVPT378E Special Topics in Government and Politics: Elections in Israel, 1949-2013: From Platform to Personality; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Sam Lehman-Wilzig | Seats (Total: 15) |
| | Tu 3:30pm - 6:00pm | HJP 1125 |

**GVPT379A** **Topics in American Politics; Representation and Public Policy**

**GVPT379A** *(PermReq)* **Topics in American Politics: Representation and Public Policy; (3 credits)** Grade Method: REG.
Restricted to GVPT Honors students.

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| 0101 | David Karol<br>TuTh 12:30pm - 1:45pm | Seats (Total: 20)<br>TYD 2102 |

**GVPT386** **Experiential Learning**

**GVPT386** *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
*Restriction: Permission of BSOS-Government & Politics department; and junior standing or higher.*

**Contact department for information to register for this course.**

**GVPT388** **Topical Investigations**

**GVPT388** *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Permission of Director of Undergraduate Studies required.

**Contact department for information to register for this course.**

**GVPT388I** **Topical Investigations; Government and Politics Public Policy Internship Program**

**GVPT388I** *(PermReq)* **Topical Investigations: Government and Politics Public Policy Internship Program; (3 credits)** Grade Method: REG/P-F/AUD.
GVPT majors only and must have departmental permission to register.

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|---|---|---|
| 0101 | Gilbert Nunez<br>M 6:30pm - 9:15pm | Seats (Total: 40)<br>TYD 1132 |

**GVPT388M** **Topical Investigations; Mock Trial Independent Study**

**GVPT388M** *(PermReq)* **Topical Investigations: Mock Trial Independent Study; (1 credit)** Grade Method: REG/P-F.
Prerequisite: Permission of department.

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| 0101 | Mark Graber<br>W 6:30pm - 9:15pm | Seats (Total: 10)<br>TYD 2108 |

**GVPT388P** **Topical Investigations; Maryland Internship Program**

**GVPT388P** *(PermReq)* **Topical Investigations: Maryland Internship Program; (3 credits)** Grade Method: REG/P-F/AUD.
Must have departmental permission to register.

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|---|---|---|
| 0101 | Andrew Jannett<br>Tu 6:30pm - 9:15pm | Seats (Total: 30)<br>TYD 1101 |
| 0201 | Joseph Wantz<br>Tu 6:30pm - 9:15pm | Seats (Total: 12)<br>JMZ 2117 |

**GVPT389** **Experiential Learning II**

**GVPT389** *(PermReq)* **Experiential Learning II; (3-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Junior standing.

**Contact department for information to register for this course.**

**GVPT390** **Game Theory**

**GVPT390 Game Theory; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Must not have completed ECON414. Credit only granted for: GVPT399A, GVPT390, or ECON414. Formerly: GVPT399A.* Introduction to game theory with applications to political science, economics and sociology. Topics include preference theory, expected utility theory, Nash equilibria, subgame perfection, repeated games, folk theorems, and evolutionary stability.

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| 0101 | Piotr Swistak<br>Tu 2:00pm - 4:45pm | Seats (Total: 40)<br>TYD 1101 |

**GVPT396** **Introduction to Honors Research**

**GVPT396** *(PermReq)* **Introduction to Honors Research; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
*Restriction: Must be in Government & Politics Honors Program; and must have permission of the Government & Politics Honors Program.* A required course for all honors students designed to emphasize library research, methodology, and writing skills in political science and political philosophy. A written proposal, bibliography and research design for an honors paper required of all students as a final project.

**Contact department for information to register for this course.**

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**GVPT397** **Honors Research**

**GVPT397** *(PermReq)* **Honors Research; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: GVPT396. Restriction: Must be in Government & Politics Honors Program.* Individual reading and research. Preparation of an original paper.

**Contact department for information to register for this course.**

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**GVPT399** **Seminar in Government and Politics**
**Contact department for information to register for this course.**

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**GVPT399C** **Seminar in Government and Politics; Cultures Without State: The Case of Catalonia**
**Contact department for information to register for this course.**

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**GVPT399D** **Seminar in Government and Politics; Society and Politics in Contemporary Spain**
**Contact department for information to register for this course.**

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**GVPT399E** **Seminar in Government and Politics; The European Union: Politics and Policy**
**Contact department for information to register for this course.**

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**GVPT399G** **Seminar in Government and Politics; Israel Politics and Society for Young Leaders**

**GVPT399G Seminar in Government and Politics: Israel Politics and Society for Young Leaders; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as ISRL448L. An intensive examination of Israeli politics intended for students who are leaders in student or community groups.

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|---|---|---|
| 0101 | Yoram Peri | Seats (Total: 25) |
| | MW 3:30pm - 4:45pm | KEY 0126 |

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| **GVPT399I** | **Seminar in Government and Politics; Globilization**<br>**Contact department for information to register for this course.** |
| **GVPT399K** | **Seminar in Government and Politics; Structure and Process in International Relations**<br>**Contact department for information to register for this course.** |
| **GVPT399L** | **Seminar in Government and Politics; British Politics**<br>**Contact department for information to register for this course.** |
| **GVPT399M** | **Seminar in Government and Politics; Policy Analysis**<br>**Contact department for information to register for this course.** |
| **GVPT399O** | **Seminar in Government and Politics; Parliament Politics**<br>**Contact department for information to register for this course.** |
| **GVPT399P** | **Seminar in Government and Politics; Foreign Policy Analysis**<br>**Contact department for information to register for this course.** |
| **GVPT399Q** | **Seminar in Government and Politics; Security and Defense Policy in the European Union**<br>**Contact department for information to register for this course.** |
| **GVPT399R** | **Seminar in Government and Politics; Modern American Government**<br>**Contact department for information to register for this course.** |
| **GVPT399T** | **Seminar in Government and Politics; Social Policy, Social Exclusion**<br>**Contact department for information to register for this course.** |
| **GVPT399V** | **Seminar in Government and Politics; Political Economy of China and Japan**<br>**Contact department for information to register for this course.** |
| **GVPT399W** | **Seminar in Government and Politics; International Economic Organizations**<br>**Contact department for information to register for this course.** |
| **GVPT399X** | **Seminar in Government and Politics; Politics of the Balkan**<br>**Contact department for information to register for this course.** |

**GVPT399Y** **Seminar in Government and Politics; Political Economy of Sustainable Development**
**Contact department for information to register for this course.**

**GVPT399Z** **Seminar in Government and Politics; International Security**
**Contact department for information to register for this course.**

**GVPT402** **International Law**
**Contact department for information to register for this course.**

**GVPT406** **International Organizations**
**Contact department for information to register for this course.**

**GVPT407** **International Political Economy**
**Contact department for information to register for this course.**

**GVPT409** **Seminar in International Relations and World Politics**
**Contact department for information to register for this course.**

**GVPT409C** **Seminar in International Relations and World Politics; Middle Eastern Politics**

**GVPT409C Seminar in International Relations and World Politics: Middle Eastern Politics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT 200. For GVPT majors only. All other majors will be placed on the holdfile.

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|---|---|---|
| 0101 | Shibley Telhami<br>M 2:00pm - 4:45pm | Seats (Total: 20)<br>MOR 1101 |

**GVPT409D** **Seminar in International Relations and World Politics; International Security**

**GVPT409D Seminar in International Relations and World Politics: International Security; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. For GVPT majors only. All other majors will be placed on the holdfile.

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|---|---|---|
| 0101 | Sarah Croco<br>MW 2:00pm - 3:15pm | Seats (Total: 30)<br>TYD 0111 |

**GVPT409E** **Seminar in International Relations and World Politics; European Union**

**GVPT409E Seminar in International Relations and World Politics: European Union; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. For GVPT majors only. All other majors will be placed on the holdfile.

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|---|---|---|
| 0101 | Bartlomiej Kaminski<br>W 5:00pm - 7:45pm | Seats (Total: 30)<br>TYD 1132 |

**GVPT409F** **Seminar in International Relations and World Politics; Foreign Policy Decision Making**

**GVPT409F Seminar in International Relations and World Politics: Foreign Policy Decision Making; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. For GVPT majors only. All other majors will be placed on the holdfile.

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|---|---|---|
| 0101 | William Reed<br>TuTh 2:00pm - 3:15pm | Seats (Total: 30)<br>TYD 1114 |

**GVPT409H** **Seminar in International Relations and World Politics; Political Underpinnings of Globalization**

**GVPT409H** *(PermReq)* **Seminar in International Relations and World Politics: Political Underpinnings of Globalization; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. Restricted to GVPT Honors student only.

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|---|---|---|
| 0101 | Bartlomiej Kaminski<br>W 2:00pm - 4:45pm | Seats (Total: 20)<br>TYD 2110 |

**GVPT409T** **Seminar in International Relations and World Politics; Political Economy of the Middle East**
**Contact department for information to register for this course.**

**GVPT409V** **Seminar in International Relations and World Politics; Game Theory and International Security**
**Contact department for information to register for this course.**

**GVPT409X** **Seminar in International Relations and World Politics; Arms Control in the Nuclear Realm**
**Contact department for information to register for this course.**

**GVPT409Y** **Seminar in International Relations and World Politics; Arab-Israeli Relations**
**Contact department for information to register for this course.**

**GVPT409Z** **Seminar in International Relations and World Politics; International Relations: Theory and Institutions**

**Contact department for information to register for this course.**

**GVPT423** **Elections and Electoral Behavior**

**GVPT423 Elections and Electoral Behavior; (3 credits)** Grade Method: REG/P-F/AUD.

*Prerequisite: GVPT241 and GVPT170. Restriction: Must be in Government & Politics program.* An examination of various topics relating to elections; the focus includes the legal structure under which elections are conducted, the selection and nomination process, the conduct of election campaigns, and patterns of political participation and voting choice in different types of elections.

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|---|---|---|---|
| 0101 | James Gimpel<br>Th 3:00pm - 5:45pm | Seats (Total: 30)<br>TYD 1101 | |
| 0201 | Eric Uslaner<br>MW 2:00pm - 3:15pm | Seats (Total: 30)<br>TYD 1101 | |

**GVPT432** **Civil Rights and the Constitution**

**GVPT432 Civil Rights and the Constitution; (3 credits)** Grade Method: REG/P-F/AUD.

*Prerequisite: GVPT241 and GVPT331. Restriction: Must be in Government & Politics program.* A study of civil rights in the American constitutional context, emphasizing freedom of religion, freedom of expression, minority discrimination, and the rights of defendants. All other students will be placed on the holdfile.

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|---|---|---|---|
| 0101 | Michael Spivey<br>MW 1:00pm - 1:50pm<br>F 9:00am - 9:50am | Seats (Total: 25)<br>TYD 1102<br>TYD 1101 | <br><br>Discussion |
| 0102 | Michael Spivey<br>MW 1:00pm - 1:50pm<br>F 10:00am - 10:50am | Seats (Total: 25)<br>TYD 1102<br>ASY 3221 | <br><br>Discussion |
| 0103 | Michael Spivey<br>MW 1:00pm - 1:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 25)<br>TYD 1102<br>SYM 0209 | <br><br>Discussion |

**GVPT441** **History of Political Theory: Ancient and Medieval**

**GVPT441 History of Political Theory: Ancient and Medieval; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: GVPT241. Restriction: Must be in Government & Politics program; and junior standing or higher.* A survey of the principal political theories set forth in the works of writers before Machiavelli.

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|---|---|---|
| 0101 | Charles Alford | Seats (Total: 30) |
| | TuTh 4:00pm - 5:15pm | TYD 1132 |

**GVPT442** **History of Political Theory--Medieval to Recent**
**Contact department for information to register for this course.**

**GVPT449D** **Seminar in Political Philosophy; Social Criticism**

**GVPT449D Seminar in Political Philosophy: Social Criticism; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241. For GVPT majors only. All other majors will be p laced on the holdfile.

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|---|---|---|
| 0101 | Ian Ward | Seats (Total: 30) |
| | Th 6:00pm - 8:45pm | KEY 0116 |

**GVPT449H** **Seminar in Political Philosophy; Social Criticism**

**GVPT449H** *(PermReq)* **Seminar in Political Philosophy: Social Criticism; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT241. Restricted to GVPT Honors students only.

| | | |
|---|---|---|
| 0101 | Ian Ward | Seats (Total: 20) |
| | Th 2:00pm - 4:45pm | KEY 0119 |

**GVPT449X** **Seminar in Political Philosophy; Ethics & Global Policy**
**Contact department for information to register for this course.**

**GVPT449Y** **Seminar in Political Philosophy; Environmental Political Theory**
**Contact department for information to register for this course.**

**GVPT457** **American Foreign Relations**
**Contact department for information to register for this course.**

**GVPT458A** **Special Topics in Study Abroad IV; Inequality, Poverty, and Globalization**
**Contact department for information to register for this course.**

**GVPT458C** **Special Topics in Study Abroad IV; Politics, War and Economics in the Age of Globalization**
**Contact department for information to register for this course.**

**GVPT458F** **Special Topics in Study Abroad IV; Integration, Conflict and Security in Europe**
**Contact department for information to register for this course.**

**GVPT458J** **Special Topics in Study Abroad IV; Economic and Political Institutions of the European Union**
**Contact department for information to register for this course.**

**GVPT458K** **Special Topics in Study Abroad IV; Themes and Issues in Transatlantic Relations**
**Contact department for information to register for this course.**

**GVPT458L** **Special Topics in Study Abroad IV; Law and Dictatorship**
**Contact department for information to register for this course.**

**GVPT458Z** **Special Topics in Study Abroad IV; Contemporary Germany in European Perspective**
**Contact department for information to register for this course.**

**GVPT459A** **Seminar in Comparative Politics; Revolutions, Authoritarianism, and Film**

**GVPT459A Seminar in Comparative Politics: Revolutions, Authoritarianism, and Film; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Vladimir Tismaneanu | Seats (Total: 28) |
| | Th 2:00pm - 4:45pm | SQH 1119 |
| | *Prerequisite: GVPT200. For GVPT majors only. All other majors will be p aced on the holdfile.* | |

**GVPT459D** **Seminar in Comparative Politics; Politics of the Developing World**

**GVPT459D Seminar in Comparative Politics: Politics of the Developing World; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. Formerly: GVPT409D. Credit will be granted for one of the following: GVPT409D or GVPT459D. For GVPT majors only. All other majors will be placed on a holdfile.

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|---|---|---|---|
| 0101 | Joel Simmons<br>M 2:00pm - 4:45pm | Seats (Total: 30)<br>TYD 1102 | |

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**GVPT459L** **Seminar in Comparative Politics; Comparative Political Economy**

**GVPT459L Seminar in Comparative Politics: Comparative Political Economy; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. For GVPT majors only. All other majors will be p laced on a holdfile.

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|---|---|---|
| 0101 | Joel Simmons<br>TuTh 11:00am - 12:15pm | Seats (Total: 30)<br>KNI 1103 |

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**GVPT459P** **Seminar in Comparative Politics; The Revolutions of 1989: Tyranny, Dissent and Freedom**

**GVPT459P Seminar in Comparative Politics: The Revolutions of 1989: Tyranny, Dissent and Freedom; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT200. For GVPT majors only. All other majors will be placed on the holdfile.

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|---|---|---|
| 0101 | Vladimir Tismaneanu<br>TuTh 11:00am - 12:15pm | Seats (Total: 30)<br>SQH 2120 |

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**GVPT473** **The U.S. Congress**

**GVPT473 The U.S. Congress; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: GVPT241 and GVPT170. Restriction: Must be in Government & Politics program; and junior standing or higher.* A detailed survey of lawmaking and the legislative process, emphasizing the U.S. Congress and its members.

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|---|---|---|---|
| 0101 | Frances Lee<br>MW 10:00am - 10:50am<br>F 9:00am - 9:50am | Seats (Total: 25)<br>TYD 1101<br>TLF 1101 | <br><br>Discussion |

| | | | |
|---|---|---|---|
| 0102 | Frances Lee<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am | Seats (Total: 25)<br>TYD 1101<br>TLF 1103 | Discussion |
| 0103 | Frances Lee<br>MW 10:00am - 10:50am<br>F 1:00pm - 1:50pm | Seats (Total: 25)<br>TYD 1101<br>TLF 1103 | Discussion |

**GVPT474** **Political Parties**

**GVPT474 Political Parties; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: GVPT241 and GVPT170. Restriction: Must be in Government & Politics program.* A descriptive and analytical examination of American political parties, nominations, elections, and political leadership.

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|---|---|---|
| SG91 | Samantha Davis<br>W 3:30pm - 6:00pm<br>*Limited to CCJS students at Shady Grove.* | Seats (Total: 40)<br>BLD3 4206 |

**GVPT479F** **Seminar in American Politics; The Supreme Court**

**GVPT479F Seminar in American Politics: The Supreme Court; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. For GVPT majors only. All other majors will be placed on the holdfile.

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|---|---|---|
| 0101 | Patrick Wohlfarth<br>TuTh 12:30pm - 1:45pm | Seats (Total: 30)<br>TYD 0102 |

**GVPT479H** **Seminar in American Politics; Polarization**

**GVPT479H** *(PermReq)* **Seminar in American Politics: Polarization; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. Restricted to GVPT Honors students only.

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|---|---|---|
| 0101 | Eric Uslaner<br>M 3:30pm - 6:15pm | Seats (Total: 20)<br>TYD 0102 |

**GVPT479I** **Seminar in American Politics; Immigration Politics**

**GVPT479I Seminar in American Politics: Immigration Politics; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. For GVPT majors only. All other major s will be placed on the holdfile.

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|---|---|---|
| 0101 | Robert Koulish | Seats (Total: 30) |
| | MW 2:00pm - 3:15pm | SQH 1121 |

**GVPT479O** **Seminar in American Politics; Black Politics from Emancipation to Obama**

**GVPT479O Seminar in American Politics: Black Politics from Emancipation to Obama; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. For GVPT majors only. All other majors will be placed on the holdfile.

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|---|---|---|
| 0101 | Brian McKenzie | Seats (Total: 30) |
| | MW 4:00pm - 5:15pm | TYD 1101 |

**GVPT479Y** **Seminar in American Politics; Political Psychology**

**GVPT479Y Seminar in American Politics: Political Psychology; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: GVPT170 and GVPT241. For GVPT majors only. All other majors will be placed on the holdfile.

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|---|---|---|
| 0101 | Antoine Banks | Seats (Total: 30) |
| | TuTh 2:00pm - 3:15pm | TYD 1102 |

**GVPT481** **Government and Administration of Russia and the States of the Former Soviet Union**
**Contact department for information to register for this course.**

**GVPT484** **Government and Politics of Africa**

**GVPT484 Government and Politics of Africa; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: GVPT282 or GVPT280. Restriction: Must be in a major within BSOS-Government & Politics department.* A comparative study of the governmental systems and political processes of the African countries, with special emphasis on the problems of nation-building in emergent countries. For GVPT Majors only. All other majors will be placed on the holdfile.

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|---|---|---|
| 0101 | John McCauley | Seats (Total: 30) |
| | MW 2:00pm - 3:15pm | TYD 1132 |

**GVPT485** **Government and Politics of the Middle East**
**Contact department for information to register for this course.**

**GVPT722** **Advanced Quantitative Methods For Political Science**

**GVPT722 Advanced Quantitative Methods For Political Science; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: GVPT622; or permission of instructor.* Introduction to multivariate analysis. Elementary matrix algebra, multiple linear and curvilinear correlation and regression, analysis of variance, canonical correlation and regression, discriminant analysis, and several types of factor analysis.

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|---|---|---|
| 0101 | William Reed | Seats (Total: 12) |
| | TuTh 3:30pm - 4:45pm | Location: TBA |

**GVPT742** **Modern Political Theory**

**GVPT742 Modern Political Theory; (3 credits)** Grade Method: REG/AUD.
*Recommended: GVPT741. Restriction: Permission of BSOS-Government & Politics department.* The influence of the Enlightenment on political thought, beginning with Machiavelli and ending around the time of Mill and Marx, in which the Enlightenment worked itself out in the hopes and fears of these and other authors.

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|---|---|---|
| 0101 | James Glass | Seats (Total: 12) |
| | M 3:30pm - 6:15pm | TYD 1111 |

**GVPT743** **Contemporary Political Theory**

**GVPT743 Contemporary Political Theory; (3 credits)** Grade Method: REG.
*Restriction: Must have graduate standing.* Theorists from Nietzsche (1884-1900) to the present will be covered with a focus on the apparent failure of the Enlightenment to usher in an age of peace and reason.

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|---|---|---|
| 0101 | Charles Alford | Seats (Total: 12) |
| | Tu 6:30pm - 9:15pm | TYD 1136 |

**GVPT761** **International Political Economy**

**GVPT761 International Political Economy; (3 credits)** Grade Method: REG/AUD.
*Recommended: GVPT708.* Major issues in international political economy including such matters as the monetary system, trade, debt, and development.

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|---|---|---|
| 0101 | Todd Allee | Seats (Total: 12) |
| | Tu 12:30pm - 3:15pm | TYD 1136 |

**GVPT771** **Seminar in American Political Behavior**

**GVPT771 Seminar in American Political Behavior; (3 credits)** Grade Method: REG/AUD.
This is the core seminar in American political behavior. The course will deal with prominent theoretical and empirical issues in the areas of voting, public opinion, political participation and other aspects of political behavior in the American context.

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|---|---|---|
| 0101 | Brian McKenzie | Seats (Total: 12) |
| | M 12:30pm - 3:15pm | TYD 1136 |

**GVPT780** **Seminar in the Comparative Study of Politics**

**GVPT780 Seminar in the Comparative Study of Politics; (3 credits)** Grade Method: REG/AUD.
An examination of the salient approaches to and conceptual frameworks for the comparative study of politics, followed by the construction of models and typologies of political systems.

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|---|---|---|
| 0101 | Mark Lichbach | Seats (Total: 12) |
| | Tu 9:30am - 12:15pm | TYD 1111 |

**GVPT799** **Master's Thesis Research**

**GVPT799 Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**GVPT808B** **Selected Topics in Functional Problems in International Relations; Conflict in World Politics**

**GVPT808B Selected Topics in Functional Problems in International Relations: Conflict in World Politics; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Paul Huth<br>Th 9:30am - 12:15pm | Seats (Total: 12)<br>Location: TBA |

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**GVPT808C** **Selected Topics in Functional Problems in International Relations; Research Seminar in International Relations and Comparative Politics**

**GVPT808C Selected Topics in Functional Problems in International Relations: Research Seminar in International Relations and Comparative Politics; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | William Reed<br>Tu 9:30am - 12:15pm | Seats (Total: 10)<br>TYD 1136 |
| 0201 | Kathleen Cunningham<br>Tu 9:30am - 12:15pm | Seats (Total: 10)<br>Location: TBA |

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**GVPT828P** **Selected Problems in Political Behavior; Political Psychology**

**GVPT828P Selected Problems in Political Behavior: Political Psychology; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Antoine Banks<br>Th 9:30am - 12:15pm | Seats (Total: 12)<br>TYD 1111 |

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**GVPT849** **Readings in Government and Politics**

**GVPT849** *(PermReq)* **Readings in Government and Politics; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**GVPT889M** **Selected Topics in Area Problems in International Relations; The Making of American Policy in the Middle East**

**GVPT889M Selected Topics in Area Problems in International Relations: The Making of American Policy in the Middle East; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|---|
| 0101 | Shibley Telhami | Seats (Total: 12) | |
| | M 6:30pm - 9:15pm | TYD 1136 | |

**GVPT898** **Pre-Candidacy Research**

**GVPT898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**GVPT899** **Doctoral Dissertation Research**

**GVPT899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# HDCC Digital Cultures and Creativity Spring 2013

**HDCC106** **Introduction to Digital and Creativity II**

**HDCC106 Introduction to Digital and Creativity II; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.
*Restriction: Must be in the Digital Cultures and Creativity Honors College Living/Learning program.* Introduction to the methods and theory of digital cultural production, with emphasis on creative and expressive platforms.

| | | | |
|---|---|---|---|
| 0101 | Jason Farman, Krista Caballero | Seats (Total: 21) | |
| | Tu 4:00pm - 4:50pm | ASY 1213 | |
| | Tu 7:00pm - 9:00pm | QAN 0113 | Lab |
| | Tu 6:00pm - 7:00pm | QAN 0113 | Discussion |

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|---|---|---|---|
| 0102 | Jason Farman, Krista Caballero<br>Tu 4:00pm - 4:50pm<br>W 7:00pm - 9:00pm<br>W 6:00pm - 7:00pm | Seats (Total: 21)<br>ASY 1213<br>QAN 0113<br>QAN 0113 | <br><br>Lab<br>Discussion |
| 0103 | Jason Farman, Krista Caballero<br>Tu 4:00pm - 4:50pm<br>W 7:00pm - 9:00pm<br>W 6:00pm - 7:00pm | Seats (Total: 21)<br>ASY 1213<br>ANA 0120<br>ANA 0120 | <br><br>Lab<br>Discussion |

**HDCC209A** **Practicum in Digital Cultures and Creativity**

**HDCC209A Practicum in Digital Cultures and Creativity; (2 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Hasan Elahi<br>Tu 3:30pm - 5:15pm | Seats (Total: 16)<br>QAN 1132 |

**HDCC209B** **Practicum in Digital Cultures and Creativity**

**HDCC209B Practicum in Digital Cultures and Creativity; (2 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Krista Caballero<br>W 3:30pm - 5:15pm | Seats (Total: 16)<br>QAN 1132 |

**HDCC209C** **Practicum in Digital Cultures and Creativity**

**HDCC209C Practicum in Digital Cultures and Creativity; (2 credits)** Grade Method: REG/P-F/AUD.

| | | | |
|---|---|---|---|
| 0101 | Evan Golub<br>M 4:00pm - 4:50pm<br>W 4:00pm - 4:50pm | Seats (Total: 9)<br>CSI 3118<br>CSI 3118 | <br><br>Discussion |
| 0201 | Evan Golub<br>M 4:00pm - 4:50pm<br>F 4:00pm - 4:50pm | Seats (Total: 9)<br>CSI 3118<br>CSI 3118 | <br><br>Discussion |

**HDCC209D** **Practicum in Digital Cultures and Creativity**

**HDCC209D Practicum in Digital Cultures and Creativity; (2 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Jennifer Guiliano<br>M 4:00pm - 6:00pm | Seats (Total: 16)<br>HBK 0301 |

# HEBR Hebrew Spring 2013

**HEBR112 Elementary Hebrew II**

For other courses, see JWST - Jewish Studies. Students who have no knowledge of Hebrew should register for HEBR 111 which will be offered in the fall. Students who have studied Hebrew elsewhere are required to contact Dr. Avital Feuer.

**HEBR112 Elementary Hebrew II; (6 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: HEBR111; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed HEBR103; and must not have completed HEBR104. Credit only granted for: (HEBR103 and HEBR104) or HEBR112.* Continuation of HEBR 111.

| | | |
|---|---|---|
| 0101 | Aharona Gazit-Rosenthal<br>MWF 9:00am - 10:50am | Seats (Total: 15)<br>JMZ 2117 |
| 0201 | Limor Bajayo, Daria Semchenkova<br>MWF 11:00am - 11:50am<br>TuTh 11:00am - 12:15pm | Seats (Total: 15)<br>SQH 2117<br>JMZ 1103 |
| 0301 | Limor Bajayo, Daria Semchenkova<br>MWF 1:00pm - 1:50pm<br>TuTh 12:30pm - 1:45pm | Seats (Total: 15)<br>SQH 2119<br>JMZ 1120 |

**HEBR212 Intermediate Hebrew II**

**HEBR212 Intermediate Hebrew II; (6 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
*Prerequisite: HEBR211; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must not have completed HEBR203; and must not have completed HEBR204. Credit only granted for: (HEBR203 and HEBR204) or HEBR212.* Continuation of HEBR211.

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|---|---|---|
| 0101 | Aharona Gazit-Rosenthal<br>MWF 11:00am - 12:50pm | Seats (Total: 15)<br>JMZ 2117 |

**HEBR314** **Conversation and Composition II**

**HEBR314 Conversation and Composition II; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: HEBR313; or students who have taken courses with comparable content may contact the department.* A practical language course recommended for all students continuing with Hebrew. Review of grammar and composition. Selected readings. Oral and written exercises.

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|---|---|---|
| 0101 | Avital Feuer<br>TuTh 9:30am - 10:45am | Seats (Total: 15)<br>JMZ 2117 |

**HEBR369A** **Special Topics in Study Abroad III; Hebrew Lower Advanced**
**Contact department for information to register for this course.**

**HEBR369B** **Special Topics in Study Abroad III; Hebrew Lower Advanced**
**Contact department for information to register for this course.**

**HEBR369C** **Special Topics in Study Abroad III; Hebrew Upper Advanced**
**Contact department for information to register for this course.**

**HEBR369D** **Special Topics in Study Abroad III; Hebrew Upper Intermediate**
**Contact department for information to register for this course.**

**HEBR381** **Introduction to Hebrew Cultural Studies**
**Contact department for information to register for this course.**

**HEBR386** **Experiential Learning**

**HEBR386** *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
*Restriction: Must have a Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor; and junior standing or higher.* Contact the department to obtain section numbers.

**Contact department for information to register for this course.**

**HEBR498B** **Special Topics in Hebrew; History of the Hebrew Language**

**HEBR498B Special Topics in Hebrew: History of the Hebrew Language; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: HEBR211 or equivalent or permission of instructor. Also offered as JWST419F. This course is taught in Hebrew.

| | | |
|---|---|---|
| 0101 | Einat Gonen | Seats (Total: 35) |
| | Class time/details on ELMs | ONLINE |

**HEBR498P** **Special Topics in Hebrew; Modern Hebrew Poetry**

**HEBR498P Special Topics in Hebrew: Modern Hebrew Poetry; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as ISRL449P and JWST429R. Credit will be granted for only one of the following: JWST429R, ISRL449P, or HEBR498P. Taught in Hebrew.

| | | |
|---|---|---|
| 0101 | Eric Zakim | Seats (Total: 15) |
| | TuTh 11:00am - 12:15pm | JMZ 2117 |

**HEBR499** **Independent Study in Hebrew**

**HEBR499** *(PermReq)* **Independent Study in Hebrew; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Contact the department to obtain section numbers.

**Contact department for information to register for this course.**

## HEIP Entrepreneurship and Innovation Spring 2013

**HEIP144** **Contemporary Issues in Entrepreneurship and Innovation**

**HEIP144 Contemporary Issues in Entrepreneurship and Innovation; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: HEIP143. Restriction: Must be in the Entrepreneurship and Innovation Program (EIP).* Inspires entrepreneurial innovation and creativity through interactive lectures, workshops, and case studies on contemporary issues to include energy, life sciences, healthcare, and technology. Explores entrepreneurial innovation sources, structures and dynamics. Helps students develop skills for generating ideas and addressing current issues and problems. Class meets in the LaPlata Hall - multi-purpose room.

| | | |
|---|---|---|
| 0101 | Luke Catherine, Jay Smith<br>TuTh 11:00am - 12:15pm | Seats (Total: 52)<br>Location: TBA |
| 0201 | Jay Smith<br>TuTh 2:00pm - 3:15pm | Seats (Total: 32)<br>LPA 1125 |
| 0301 | Jay Smith<br>TuTh 3:30pm - 4:45pm | Seats (Total: 32)<br>LPA 1125 |

**HEIP241** **EIP Capstone: Creating Enterprise with Social Impact**

**HEIP241 EIP Capstone: Creating Enterprise with Social Impact; (2 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Must be in the Entrepreneurship and Innovation Program (EIP).*
Addresses the global necessity to develop and implement solutions to critical social and environmental concerns in ways that are both technologically viable and economically sustainable. Through group exercises, guest speakers, discussions, and experiential learning activities, students will develop the skills to create businesses that achieve the double bottom line of both profitability and social benefit.

| | | |
|---|---|---|
| 0101 | Annette Stanley, Jay Smith<br>MW 5:00pm - 5:50pm | Seats (Total: 35)<br>SPH 1303 |
| 0201 | Jay Smith, Amanda Antico-Majkowski<br>TuTh 5:00pm - 5:50pm | Seats (Total: 40)<br>PLS 1130 |

## HESP Hearing and Speech Sciences Spring 2013

**HESP120** **Introduction to Linguistics**

**HESP120 Introduction to Linguistics; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Scholarship in Practice.
*Credit only granted for: HESP120 or LING200.* An introduction to the scientific study of natural language with focus on the basic concepts of phonology, syntax, semantics and pragmatics, with subsequent attention to the applied aspects of linguistic principles.

| | | |
|---|---|---|
| 0101 | Tess Wood<br>TuTh 12:30pm - 1:45pm | Seats (Total: 40)<br>TYD 1118 |
| 0201 | Tess Wood<br>TuTh 11:00am - 12:15pm | Seats (Total: 35)<br>HBK 0115 |

**HESP202** **Introduction to Hearing and Speech Sciences**

**HESP202 Introduction to Hearing and Speech Sciences; (3 credits)** Grade Method: REG/P-F/AUD.
An introduction to communication sciences and disorders; a survey of the bases of normal speech, language and hearing ability, major forms of communicative disorders and their treatment.

| | | |
|---|---|---|
| 0101 | Kathleen Skinker<br>TuTh 9:30am - 10:45am | Seats (Total: 99)<br>TYD 0117 |

**HESP300** **Introduction to Psycholinguistics**

**HESP300 Introduction to Psycholinguistics; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in HESP202; or permission of BSOS-Hearing & Speech Sciences department. Recommended: HESP120.* An introduction to current theories of language and an investigation of their relationship to human communication behavior. Survey of the experimental literature relating to this question.

| | | |
|---|---|---|
| 0101 | Arifi Waked<br>MW 2:00pm - 3:15pm | Seats (Total: 52)<br>TYD 0102 |

**HESP305** **Anatomy and Physiology of the Speech Mechanism**

**HESP305 Anatomy and Physiology of the Speech Mechanism; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in HESP202; or permission of BSOS-Hearing & Speech Sciences department.* Anatomy, physiology, and neurology of speech mechanism.

| | | |
|---|---|---|
| 0101 | Yee Key Nicole Li | Seats (Total: 60) |
| | TuTh 9:30am - 10:45am | TYD 2106 |

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**HESP311** **Anatomy, Pathology and Physiology of the Auditory System**

**HESP311 Anatomy, Pathology and Physiology of the Auditory System; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in HESP202; or permission of BSOS-Hearing & Speech Sciences department.* Gross anatomy of the ear and pathways for transmission of sound energy through the peripheral and central auditory system. Causes, development and effects of pathological conditions contributing to temporary or chronic hearing impairments.

| | | |
|---|---|---|
| 0101 | Sandra Gordon-Salant | Seats (Total: 52) |
| | TuTh 2:00pm - 3:15pm | LEF 2208 |

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**HESP386** **Experiential Learning**

**HESP386** *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
*Restriction: Junior standing or higher; and permission of BSOS-Hearing Speech Sciences department.*

**Contact department for information to register for this course.**

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**HESP388** **Undergraduate Research Externship**

**HESP388 Undergraduate Research Externship; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**HESP389** **LEAP Classroom Internship**

**HESP389 LEAP Classroom Internship; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**HESP400** **Speech and Language Development in Children**

**HESP400 Speech and Language Development in Children; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in HESP300; or permission of BSOS-Hearing & Speech Sciences department. Recommended: LING200 or HESP120. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department.* Analysis of the normal processes of speech and language development in children.

| | | |
|---|---|---|
| 0101 | Yi Ting Huang | Seats (Total: 50) |
| | TuTh 9:30am - 10:45am | LEF 2208 |

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**HESP402** **Language and Phonological Disorders in Children**

**HESP402 Language and Phonological Disorders in Children; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in HESP400; or permission of BSOS-Hearing & Speech Sciences department.* Etiology, assessment and treatment of language and phonological disorders in children.

| | | |
|---|---|---|
| 0101 | Nan Ratner | Seats (Total: 50) |
| | MW 2:00pm - 3:15pm | TYD 1118 |

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**HESP403** **Introduction to Phonetic Science**

**HESP403 Introduction to Phonetic Science; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in HESP305; or permission of BSOS-Hearing & Speech Sciences department. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department.* An introduction to physiological, acoustic and perceptual phonetics; broad and narrow phonetic transcription; current models of speech production and perception.

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|---|---|---|
| 0101 | Melissa Stockbridge<br>TuTh 3:30pm - 4:45pm | Seats (Total: 46)<br>TYD 2110 |

**HESP404** **Fluency & Voice Disorders**

**HESP404 Fluency & Voice Disorders; (3 credits)** Grade Method: REG/P-F/AUD. *Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department.* Etiology, assessment and therapeutic management of phonation, resonance, and fluency disorders in children and adults.

| | | |
|---|---|---|
| 0101 | Vivian Sisskin, Kathleen Skinker<br>TuTh 12:30pm - 1:45pm | Seats (Total: 30)<br>LEF 2208 |

**HESP407** **Bases of Hearing Science**

**HESP407 Bases of Hearing Science; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: Minimum grade of C- in HESP311; or permission of BSOS-Hearing & Speech Sciences department. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department.* Fundamentals of hearing, including the physics of sound, anatomy and physiology of peripheral and central auditory nervous system, psychophysical procedures used in measurement of auditory sensation and perception, and topics in psychological acoustics.

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|---|---|---|
| 0101 | Matthew Goupell<br>MW 3:45pm - 5:00pm | Seats (Total: 50)<br>SQH 1117 |

**HESP411** **Introduction to Audiology**

**HESP411 Introduction to Audiology; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: Minimum grade of C- in HESP311; or permission of BSOS-Hearing & Speech Sciences department. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department.* An introduction to the field of audiology. Evaluation and remediation of hearing handicaps.

| | | |
|---|---|---|
| 0101 | Tracy Fitzgerald<br>TuTh 11:00am - 12:15pm | Seats (Total: 46)<br>TYD 2111 |

**HESP418A** **Clinical Practice in Speech-Language Pathology and Audiology; Audiology Option**

**HESP418A** *(PermReq)* **Clinical Practice in Speech-Language Pathology and Audiology: Audiology Option; (3 credits)** Grade Method: REG/P-F/AUD.
For majors only.

| | | |
|---|---|---|
| 0101 | Deborah Berndtson, Sharon Palmer<br>W 12:00pm - 12:50pm<br>Contact instructor or department for details. | Seats (Total: 10)<br>LEF 0111D |

**HESP418B** **Clinical Practice in Speech-Language Pathology and Audiology; Speech Pathology Option**

**HESP418B** *(PermReq)* **Clinical Practice in Speech-Language Pathology and Audiology: Speech Pathology Option; (3 credits)** Grade Method: REG/P-F/AUD.
For majors only.

| | | |
|---|---|---|
| 0101 | Vivian Sisskin<br>Contact instructor or department for details.<br>Contact instructor or department for details. | Seats (Total: 10) |

**HESP422** **Neurological Bases of Human Communication**

**HESP422 Neurological Bases of Human Communication; (3 credits)** Grade Method: REG.
*Prerequisite: HESP305; or permission of instructor. Credit only granted for: HESP498 or HESP422.* Basic neurology as it pertains to anatomy and physiology substrates of speech and language.

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|---|---|---|
| 0101 | Yasmeen Shah<br>Tu 1:00pm - 3:30pm | Seats (Total: 10)<br>Location: TBA |

**HESP469** **Honor Thesis Research**

**HESP469 Honor Thesis Research; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**HESP469A** **Honor Thesis Research**

**HESP469A Honor Thesis Research; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**HESP469B** **Honor Thesis Research**

**HESP469B Honor Thesis Research; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**HESP498** **Seminar**

**HESP498 Seminar; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**HESP498B** **Seminar; Augmentative and Alternative Communication**

**HESP498B** *(PermReq)* **Seminar: Augmentative and Alternative Communication; (3 credits)** Grade Method: REG.
Restriction: Permission of BSOS-Hearing & Speech Sciences department. Also offered as HESP627. Principles, methods, and procedures for categorizing, understanding, and developing augmentative and alternative communication.

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|---|---|---|
| 0101 | Tonya Williams Walker | Seats (Total: 10) |
| | Tu 5:00pm - 7:30pm | LEF 0135 |

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**HESP499** **Independent Study; Topics in the Hearing and Speech Sciences**

**HESP499** *(PermReq)* **Independent Study: Topics in the Hearing and Speech Sciences; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**HESP499H** **Independent Study**

**HESP499H Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**HESP602** **Neurological Bases of Human Communication**

**HESP602 Neurological Bases of Human Communication; (3 credits)** Grade Method: REG/AUD.
*Restriction: Permission of BSOS-Hearing & Speech Sciences department.* Basic neurology as it pertains to anatomical and physiological substrates of speech and language.

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|---|---|---|
| 0101 | Yasmeen Shah<br>Tu 1:00pm - 3:30pm | Seats (Total: 20)<br>LEF 0135 |

**HESP610** **Aphasia**

**HESP610 Aphasia; (3 credits)** Grade Method: REG/AUD.
Language problems of adults associated with brain injury.

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|---|---|---|
| 0101 | Yasmeen Shah<br>Tu 9:30am - 12:00pm | Seats (Total: 30)<br>LEF 0135 |

**HESP620** **Phonological and Articulatory Disorders**

**HESP620 Phonological and Articulatory Disorders; (3 credits)** Grade Method: REG/AUD.
Assessment and treatement of disorders at the phonological and articulatory levels of language and speech.

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|---|---|---|
| 0101 | Colleen Worthington<br>Th 9:30am - 12:00pm | Seats (Total: 25)<br>LEF 0135 |

**HESP627** **Augmentative and Alternative Communication**

**HESP627 Augmentative and Alternative Communication; (3 credits)** Grade Method: REG.
*Restriction: Permission of BSOS-Hearing & Speech Sciences department. Credit only granted for: HESP639R or HESP627.* Principles, methods, and procedures for categorizing, understanding, and developing augmentative and alternative communication. Also offered as HESP498B.

| | | |
|---|---|---|
| 0101 | Tonya Williams Walker<br>Tu 5:00pm - 7:30pm | Seats (Total: 10)<br>LEF 0135 |

**HESP632** **Medical Audiology**

**HESP632 Medical Audiology; (3 credits)** Grade Method: REG/AUD. *Prerequisite: HESP311. Corequisite: HESP606.* Overview of auditory pathologies, and their assessment and management in the medical setting.

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|---|---|---|
| 0101 | Carmen Brewer<br>M 5:30pm - 8:00pm | Seats (Total: 15)<br>LEF 0135 |

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**HESP638** **Research Practicum**

**HESP638** *(PermReq)* **Research Practicum; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**HESP639D** **Special Topics in Hearing and Speech Sciences; Advanced Dysphagia Seminar**

**HESP639D Special Topics in Hearing and Speech Sciences: Advanced Dysphagia Seminar; (1-3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Barbara Sonies<br>Th 4:30pm - 7:00pm | Seats (Total: 10)<br>LEF 0104A |

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**HESP648A** **Clinical Practice in Speech; Diagnostic Procedures**

**HESP648A** *(PermReq)* **Clinical Practice in Speech: Diagnostic Procedures; (1 credit)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**HESP648B** **Clinical Practice in Speech; Therapeutic Procedures**

**HESP648B** *(PermReq)* **Clinical Practice in Speech: Therapeutic Procedures; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**HESP649A** **Clinical Practice in Audiology; Diagnostic Audiology**

**HESP649A** *(PermReq)* **Clinical Practice in Audiology: Diagnostic Audiology; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**HESP649B** **Clinical Practice in Audiology; Aural Rehabilitation**

**HESP649B** *(PermReq)* **Clinical Practice in Audiology: Aural Rehabilitation; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**HESP701** **Hearing Aids II**

**HESP701 Hearing Aids II; (3 credits)** Grade Method: REG.
*Prerequisite: HESP700. Restriction: Must be in one of the following programs (Hearing and Speech Sciences: Ph.D. (Doctoral); Clinical Audiology: Au.D. or Ph.D. (Doctoral); Hearing and Speech Sciences: M.A. (Master's)) ; and permission of BSOS-Hearing & Speech Sciences department. Or permission of instructor.* Advanced issues in amplification technology, prescriptive hearing aid selection, and management of amplification systems for special populations.

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|---|---|---|
| 0101 | Margaret McCabe, LaGuinn Sherlock | Seats (Total: 10) |
| | Tu 4:45pm - 7:15pm | LEF 0223 |

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**HESP706** **Advanced Clinical Audiology**

**HESP706 Advanced Clinical Audiology; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: HESP606; or students who have taken courses with comparable content may contact the department.* Advanced clinical and experimental methods of evaluating the peripheral and central auditory system using acoustic stimuli. Procedural considerations and interpretation of test results.

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|---|---|---|
| 0101 | Samira Anderson | Seats (Total: 20) |
| | F 1:00pm - 3:30pm | LEF 0135 |

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**HESP708** **Independent Study**

**HESP708** *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**HESP724** **Research Design**

**HESP724 Research Design; (3 credits)** Grade Method: REG/AUD. *Prerequisite: Must have completed a course in basic statistics.* Evaluations of research designs, critique of published articles and student involvement in designing experiments on assigned topics.

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|---|---|---|
| 0101 | Rochelle Newman | Seats (Total: 10) |
| | M 1:00pm - 3:30pm | LEF 0135 |

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**HESP728** **Advanced Clinical Practice in Speech; Advanced Graduate Laboratory Practicum in Speech-Language Pathology**

**HESP728** *(PermReq)* **Advanced Clinical Practice in Speech: Advanced Graduate Laboratory Practicum in Speech-Language Pathology; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**HESP729** **Advanced Clinical Practice in Audiology; Advanced Graduate Laboratory Practicum in Audiology**

**HESP729** *(PermReq)* **Advanced Clinical Practice in Audiology: Advanced Graduate Laboratory Practicum in Audiology; (1-8 credits)** Grade Method: REG.

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|---|---|---|
| 1301 | Margaret McCabe | Seats (Total: 10) |
| | TBA<br>Contact instructor or department for details. | LEF 0135 |

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**HESP730** **Vestibular-ocular Assessment and Management (Electrophysiologic Measures II)**

**HESP730 Vestibular-ocular Assessment and Management (Electrophysiologic Measures II); (3 credits)** Grade Method: REG.
*Prerequisite: HESP630.* Advanced principles and methods of evaluating vestibular-ocular function using electrophysiologic measures. Includes rehabilitative issues pertaining to balance disorders and advanced electrophysiologic measures of auditory system function.

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|---|---|---|
| 0101 | Christopher Zalewski<br>Th 5:00pm - 7:30pm | Seats (Total: 20)<br>LEF 0135 |

**HESP788** **Graduate Research Externship**

**HESP788 Graduate Research Externship; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**HESP799** **Master's Thesis Research**

**HESP799 Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**HESP818P** **Seminar in Language Processing; Origins of Knowledge**

**HESP818P Seminar in Language Processing: Origins of Knowledge; (3 credits)** Grade Method: REG.

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|---|---|---|
| 0101 | Yi Ting Huang<br>M 4:00pm - 6:30pm | Seats (Total: 10)<br>BPS 1112 |

**HESP829** **Clinical Internship Residency**

**HESP829 Clinical Internship Residency; (1-9 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 1301 | Margaret McCabe<br>Contact instructor or department for details. | Seats (Total: 30) |

**HESP849** **Capstone Research Project I**

**HESP849 Capstone Research Project I; (2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**HESP859** **Capstone Research Project II**

**HESP859 Capstone Research Project II; (1-2 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**HESP878** **Seminar in Language Disorders**

**HESP878 Seminar in Language Disorders; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 1601 | Nan Ratner | Seats (Total: 10) |
| | Contact instructor or department for details. | |

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**HESP889** **Doctoral Candidacy Research**

**HESP889 Doctoral Candidacy Research; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**HESP898** **Pre-Candidacy Research**

**HESP898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**HESP899** **Doctoral Dissertation Research**

**HESP899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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## HHUM Honors Humanities Spring 2013

**HHUM106** **Honors Humanities: The Arts in Practice**

**HHUM106 Honors Humanities: The Arts in Practice; (3 credits)** Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.
*Recommended: HHUM105. Restriction: Must be in the Honors Humanities Program. Credit only granted for: ARHU106 or HHUM106. Formerly: ARHU106.* Intensive study of a particular form or category of art (e.g., Southern musical traditions, the graphic novel, one-act plays, the blogosphere, the personal essay)), especially as practiced in or relevant to the campus and metropolitan area. Students produce an instance of this art as their final project for the course.

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|---|---|---|
| 0101 | Theresa Donofrio<br>TuTh 4:00pm - 5:15pm | Seats (Total: 19)<br>SQH 1111 |
| 0201 | Sheila Jelen<br>MW 2:00pm - 3:15pm | Seats (Total: 19)<br>TWS 3132 |
| 0301 | Oliver Gaycken<br>MW 3:30pm - 4:45pm | Seats (Total: 19)<br>TWS 3132 |

**HHUM206** **Honors Humanities Research Semester**

**HHUM206 Honors Humanities Research Semester; (1 credit)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
*Credit only granted for: ARHU206 or HHUM206. Formerly: ARHU206.* Independent research and completion of students' chosen Keystone Projec developed during the preceding three semesters in HHUM105, HHUM106 and HHUM205. Will meet as a class during the early part of the semester and discuss issues in humanities scholarship including theory, methodology and pedagogy.

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|---|---|---|
| 0101 | Dana Carluccio<br>Contact instructor or department for details. | Seats (Total: 25) |
| 0201 | Valerie Orlando<br>Contact instructor or department for details. | Seats (Total: 25) |
| 0301 | Theresa Donofrio<br>Contact instructor or department for details. | Seats (Total: 25) |

**HHUM328** **Internship in Honors Humanities**

**HHUM328 Internship in Honors Humanities; (1-3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Dana Carluccio | Seats (Total: 5) |
| | Contact instructor or department for details. | |

**HHUM329** **Undergraduate Teaching Assistantship**

**HHUM329 Undergraduate Teaching Assistantship; (1-3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Dana Carluccio | Seats (Total: 5) |
| | Contact instructor or department for details. | |

# HISP Historic Preservation Spring 2013

**HISP200** **The Everyday and the American Environment**

**HISP200 The Everyday and the American Environment; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities.
*Also offered as: HISP615.* An introduction to the theories of the everyday within the context of the American built environment. Focuses primarily on the American experience of underrepresented, minority, and/or immigrant communities; both historical and contemporary. Attempts to challenge what is meant by American in describing the American everyday built environment.

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|---|---|---|---|
| 0101 | Michele Lamprakos | Seats (Total: 20) | |
| | Th 2:00pm - 3:15pm | ARC 1101 | |
| | Tu 2:00pm - 3:15pm | ARC 1123 | Discussion |
| 0103 | Michele Lamprakos | Seats (Total: 20) | |
| | Th 2:00pm - 3:15pm | ARC 1101 | |
| | Tu 2:00pm - 3:15pm | ARC 1125 | Discussion |

**HISP629** **Independent Studies in Historic Preservation**

**HISP629** *(PermReq)* **Independent Studies in Historic Preservation; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**HISP630** **Preservation Policy and Planning**

**HISP630** *(PermReq)* **Preservation Policy and Planning; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Permission of ARCH-Historic Preservation Program. Credit only granted for: HISP619M or HISP630. Formerly: HISP619M.* An opportunity is provided to look in depth at the national historic preservation program that is the federal, tribal, state, and local (city and county) public sector preservation activities being undertaken in accordance with public policy set by laws, regulations, standards, and guidelines.

| | | |
|---|---|---|
| 0101 | Constance Ramirez, John Gentry | Seats (Total: 15) |
| | Tu 7:00pm - 9:45pm | ARC 1105 |

**HISP635** **Social and Ethnic Issues in Historic Preservation Practice**

**HISP635 Social and Ethnic Issues in Historic Preservation Practice; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Permission of ARCH-Historic Preservation Program. Credit only granted for: HISP628E or HISP635. Formerly: HISP628E.* This seminar course examines the broader social and ethnic dimensions of historic preservation practice that have impacted the field since the "culture wars" of the 1990's. Through weekly case studies of local, international sites, students will explore these issues and apply newly emerging methodologies to their final case study project.

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|---|---|---|
| 0101 | Mary Sies | Seats (Total: 10) |
| | Th 7:00pm - 9:40pm | HZF 1108 |

**HISP640** **Historic Preservation Law, Advocacy and Public Policy**

**HISP640** *(PermReq)* **Historic Preservation Law, Advocacy and Public Policy; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Permission of ARCH-Historic Preservation Program. Credit only granted for: HISP619C or HISP640. Formerly: HISP619C.* Introduce students to legal, advocacy, and public policy issues in the field of historic preservation. Student activities will be designed to teach basic working knowledge of relevant legal subjects, including historic preservation ordinances, state and federal preservation statutes, and important constitutional issues.

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|---|---|---|
| 0101 | John Gentry, Frederick Stachura<br>M 7:00pm - 9:45pm | Seats (Total: 15)<br>ARC 1125 |

**HISP645** **Archaeology and Preservation**

**HISP645 Archaeology and Preservation; (3 credits)** Grade Method: REG/AUD. *Prerequisite: Permission of ARCH-Historic Preservation Program. Credit only granted for: HISP619A or HISP645. Formerly: HISP619A.* An introduction to issues related to archaeological resources and preservation. Topics will include method and theory in American archaeology, archaeology in support of architectural history, archaeology and the NHPA, archaeological site preservation and conservation, and curation and collections management. Students will have a chance to work at an archaeological site to experience field excavation techniques and challenges, and will visit other archaeological sites and curation facilities in the area.

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|---|---|---|
| 0101 | Donald Linebaugh<br>W 4:00pm - 6:30pm | Seats (Total: 15)<br>Location: TBA |

**HISP660** **Internship in Historic Preservation**

**HISP660** *(PermReq)* **Internship in Historic Preservation; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Permission of ARCH-Historic Preservation Program. Formerly: HISP619.* Students will secure a summer internship with an organization engaged in historic preservation work (this can be a public agency, nonprofit, or private firm). The students will formulate a plan of work and a series of pedagogical goals to satisfy both the practical needs of the project and the academic requirements for the course.

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|---|---|---|
| 0101 | Donald Linebaugh<br>Contact instructor or department for details. | Seats (Total: 15) |

**HISP670** **Conservation of Historic Places: Historic Materials, Building Systems, and Conservation**

**HISP670** *(PermReq)* **Conservation of Historic Places: Historic Materials, Building Systems, and Conservation; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Permission of ARCH-Historic Preservation Program. Credit only granted for: HISP619T or HISP670. Formerly: HISP619T.* Introduces students to the analysis of historic buildings, building systems and materials. The overall emphasis is on assessing the condition of a building and its parts, and formulating a preservation strategy based on it. Conservation methods will be discussed through the introduction of philosophies and specific techniques.

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|---|---|---|
| 0101 | Lori Murphy, Dennis Pogue<br>W 7:00pm - 9:40pm | Seats (Total: 15)<br>ARC 1105 |

**HISP679** **Introduction to Measured Drawings for Historic Preservation**

**HISP679 Introduction to Measured Drawings for Historic Preservation; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Donald Linebaugh<br>Contact instructor or department for details. | Seats (Total: 6) |

**HISP701** **Certificate Portfolio Project**

**HISP701** *(PermReq)* **Certificate Portfolio Project; (1 credit)** Grade Method: REG/AUD.
*Prerequisite: Permission of ARCH-Historic Preservation Program.* Students will gather samples of their work and craft a synthetic statement on their experiences in their HISP certificate courses (for example, picking up on themes such as community involvement, diversity of practice, affordable housing, or sustainability), and the ways in which they have integrated historic preservation into their thinking and practice in their home discipline.

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|---|---|---|
| 0101 | Donald Linebaugh<br>Contact instructor or department for details. | Seats (Total: 5) |

**HISP710** **Final Project in Historic Preservation I**

**HISP710 Final Project in Historic Preservation I; (1 credit)** Grade Method: REG/AUD.
*Credit only granted for: HISP700 or HISP710. Formerly: HISP700.* An independent, applied research project investigating the preservation of a particular site or a specialized issue in historic preservation. This is part one of a two-semester sequence and involves developing the project proposal and bibliography.

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|---|---|---|
| 0101 | Donald Linebaugh | Seats (Total: 15) |
| | Contact instructor or department for details. | |

**HISP711** **Final Project in Historic Preservation II**

**HISP711 Final Project in Historic Preservation II; (2 credits)** Grade Method: REG/AUD.
*Credit only granted for: HISP700 or HISP711. Formerly: HISP700.* An independent, applied research project invesitgating the preservation of a particular site or a specialized issue in historic preservation. This is part two of a two semester sequence and involves project research and writing.

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|---|---|---|
| 0101 | Donald Linebaugh | Seats (Total: 15) |
| | Contact instructor or department for details. | |

# HIST History Spring 2013

**HIST110** **The Ancient World**

**HIST110 The Ancient World; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
Interpretation of select literature and art of the ancient Mediterranean world with a view to illuminating the antecedents of modern culture; religion and myth in the ancient Near East; Greek philosophical, scientific, and literary invention; and the Roman tradition in politics and administration.

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|---|---|---|---|
| 0101 | Kenneth Holum | Seats (Total: 20) | |
| | MW 1:00pm - 1:50pm<br>M 10:00am - 10:50am | KEY 0106<br>KEY 0119 | Discussion |
| 0102 | Kenneth Holum | Seats (Total: 20) | |
| | MW 1:00pm - 1:50pm<br>Tu 9:30am - 10:20am | KEY 0106<br>KEY 0124 | Discussion |

| | | | |
|---|---|---|---|
| 0103 | Kenneth Holum<br>MW 1:00pm - 1:50pm<br>Tu 12:30pm - 1:20pm | Seats (Total: 20)<br>KEY 0106<br>WDS 1127 | Discussion |
| 0104 | Kenneth Holum<br>MW 1:00pm - 1:50pm<br>Th 12:30pm - 1:20pm | Seats (Total: 20)<br>KEY 0106<br>KEY 0117 | Discussion |
| 0106 | Kenneth Holum<br>MW 1:00pm - 1:50pm<br>Th 2:00pm - 2:50pm | Seats (Total: 20)<br>KEY 0106<br>KEY 0123 | Discussion |
| 0107 | Kenneth Holum<br>MW 1:00pm - 1:50pm<br>W 10:00am - 10:50am | Seats (Total: 20)<br>KEY 0106<br>KEY 0119 | Discussion |
| 0110 | Kenneth Holum<br>MW 1:00pm - 1:50pm<br>M 11:00am - 11:50am | Seats (Total: 20)<br>KEY 0106<br>KEY 0124 | Discussion |
| 0112 | Kenneth Holum<br>MW 1:00pm - 1:50pm<br>W 11:00am - 11:50am | Seats (Total: 20)<br>KEY 0106<br>KEY 0124 | Discussion |

**HIST111** **The Medieval World**

**HIST111 The Medieval World; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
The development of Europe in the Middle Ages; the role of religious values in shaping new social, economic, and political institutions; medieval literature, art and architecture.

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|---|---|---|---|
| 0101 | Janna Bianchini<br>MW 11:00am - 11:50am<br>W 9:00am - 9:50am | Seats (Total: 20)<br>JMZ 0220<br>KEY 0117 | Discussion |
| 0102 | Janna Bianchini<br>MW 11:00am - 11:50am<br>Tu 12:30pm - 1:20pm | Seats (Total: 20)<br>JMZ 0220<br>TLF 1101 | Discussion |

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|---|---|---|---|
| 0103 | Janna Bianchini<br>MW 11:00am - 11:50am<br>W 12:00pm - 12:50pm | Seats (Total: 20)<br>JMZ 0220<br>JMZ 0103 | Discussion |
| 0104 | Janna Bianchini<br>MW 11:00am - 11:50am<br>W 2:00pm - 2:50pm | Seats (Total: 20)<br>JMZ 0220<br>JMZ 2125 | Discussion |
| 0105 | Janna Bianchini<br>MW 11:00am - 11:50am<br>F 11:00am - 11:50am | Seats (Total: 20)<br>JMZ 0220<br>ARM 0118 | Discussion |
| 0106 | Janna Bianchini<br>MW 11:00am - 11:50am<br>F 9:00am - 9:50am | Seats (Total: 20)<br>JMZ 0220<br>KEY 0117 | Discussion |
| 0107 | Janna Bianchini<br>MW 11:00am - 11:50am<br>F 10:00am - 10:50am | Seats (Total: 20)<br>JMZ 0220<br>SYM 0209 | Discussion |
| 0108 | Janna Bianchini<br>MW 11:00am - 11:50am<br>Tu 9:30am - 10:20am | Seats (Total: 20)<br>JMZ 0220<br>KEY 0103 | Discussion |

**HIST113** **The Making of Modern Europe**
**Contact department for information to register for this course.**

**HIST123** **Sub-Saharan Africa Since 1800**

**HIST123 Sub-Saharan Africa Since 1800; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Overviews early mid-19th-century changes in African societies, European conquest and African resistances in the late 19th-century, colonial states and societies, African nationalisms and decolonization and the independence era. Struggles over social, economic, and political changes are emphasized.

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|---|---|---|---|
| 0101 | Paul Landau<br>MW 11:00am - 12:15pm | Seats (Total: 20)<br>TLF 2103 | |

**HIST131** **The History of the American Dream**

**HIST131 The History of the American Dream; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
*Credit only granted for: HIST131 or HIST289J. Formerly: HIST289J.* An introduction to the way Americans thought of themselves in the past, and their often conflicting visions of what constituted the American Dream. Central questions will include whether or not Americans have always envisioned their country as a land of equality, opportunity, democracy, and freedom and whether or not their ideas of what these values meant changed or remained the same over time.

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|---|---|---|---|
| 0101 | Michael Ross<br>MW 3:00pm - 3:50pm<br>M 11:00am - 11:50am | Seats (Total: 20)<br>SKN 0104<br>ASY 3219 | <br><br>Discussion |
| 0102 | Michael Ross<br>MW 3:00pm - 3:50pm<br>M 1:00pm - 1:50pm | Seats (Total: 20)<br>SKN 0104<br>ASY 3219 | <br><br>Discussion |
| 0103 | Michael Ross<br>MW 3:00pm - 3:50pm<br>M 2:00pm - 2:50pm | Seats (Total: 20)<br>SKN 0104<br>ASY 3211 | <br><br>Discussion |

**HIST142** **Looking at America through a Global Lens**

**HIST142 Looking at America through a Global Lens; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
*Credit only granted for: HIST289I or HIST142. Formerly: HIST289I.* Looking at America will focus on a thematic approach to the study of foreign -- negative and positive -- perceptions of America in the 20th century.

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|---|---|---|---|
| 0101 | Saverio Giovacchini<br>MW 10:00am - 10:50am<br>W 1:00pm - 1:50pm | Seats (Total: 20)<br>KEY 1117<br>ASY 3221 | <br><br>Discussion |
| 0102 | Saverio Giovacchini<br>MW 10:00am - 10:50am<br>F 12:00pm - 12:50pm | Seats (Total: 20)<br>KEY 1117<br>PLS 1164 | <br><br>Discussion |

| | | | |
|---|---|---|---|
| 0103 | Saverio Giovacchini<br>MW 10:00am - 10:50am<br>F 2:00pm - 2:50pm | Seats (Total: 20)<br>KEY 1117<br>KEY 0121 | <br><br>Discussion |

**HIST200** **Interpreting American History: Beginnings to 1877**

**HIST200 Interpreting American History: Beginnings to 1877; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities. *Credit only granted for: HIST156 or HIST200. Formerly: HIST156.* The United States from colonial times to the end of the Civil War. Establishment and development of American institutions.

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|---|---|---|---|
| 0101 | Miles Bradbury<br>TuTh 2:00pm - 2:50pm<br>M 9:00am - 9:50am | Seats (Total: 20)<br>KEY 0106<br>KEY 0119 | <br><br>Discussion |
| 0103 | Miles Bradbury<br>TuTh 2:00pm - 2:50pm<br>M 11:00am - 11:50am | Seats (Total: 20)<br>KEY 0106<br>KEY 0120 | <br><br>Discussion |
| 0105 | Miles Bradbury<br>TuTh 2:00pm - 2:50pm<br>Tu 9:30am - 10:20am | Seats (Total: 20)<br>KEY 0106<br>LEF 1222 | <br><br>Discussion |
| 0106 | Miles Bradbury<br>TuTh 2:00pm - 2:50pm<br>Tu 12:30pm - 1:20pm | Seats (Total: 20)<br>KEY 0106<br>KEY 0119 | <br><br>Discussion |
| 0107 | Miles Bradbury<br>TuTh 2:00pm - 2:50pm<br>W 9:00am - 9:50am | Seats (Total: 20)<br>KEY 0106<br>KEY 0121 | <br><br>Discussion |
| 0109 | Miles Bradbury<br>TuTh 2:00pm - 2:50pm<br>W 11:00am - 11:50am | Seats (Total: 20)<br>KEY 0106<br>KEY 0123 | <br><br>Discussion |
| 0111 | Miles Bradbury<br>TuTh 2:00pm - 2:50pm<br>Th 9:30am - 10:20am | Seats (Total: 20)<br>KEY 0106<br>KEY 0103 | <br><br>Discussion |

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|---|---|---|---|
| 0112 | Miles Bradbury<br>TuTh 2:00pm - 2:50pm<br>Th 12:30pm - 1:20pm | Seats (Total: 20)<br>KEY 0106<br>WDS 1127 | <br><br>Discussion |

**HIST201** **Interpreting American History: From 1865 to the Present**

**HIST201 Interpreting American History: From 1865 to the Present; (3 credits)**
Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
*Credit only granted for: HIST157 or HIST201. Formerly: HIST157.* The United States from the end of the Civil War to the present. Economic, social, intellectual, and political developments. Rise of industry and emergence of the United States as a world power.

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|---|---|---|---|
| 0101 | Emily Landau<br>TuTh 9:30am - 10:20am<br>M 10:00am - 10:50am | Seats (Total: 20)<br>KEY 0106<br>ASY 3221 | <br><br>Discussion |
| 0104 | Emily Landau<br>TuTh 9:30am - 10:20am<br>M 2:00pm - 2:50pm | Seats (Total: 20)<br>KEY 0106<br>SYM 0209 | <br><br>Discussion |
| 0105 | Emily Landau<br>TuTh 9:30am - 10:20am<br>Tu 11:00am - 11:50am | Seats (Total: 20)<br>KEY 0106<br>EDU 3236 | <br><br>Discussion |
| 0106 | Emily Landau<br>TuTh 9:30am - 10:20am<br>Tu 12:30pm - 1:20pm | Seats (Total: 20)<br>KEY 0106<br>KEY 0124 | <br><br>Discussion |
| 0107 | Emily Landau<br>TuTh 9:30am - 10:20am<br>W 10:00am - 10:50am | Seats (Total: 20)<br>KEY 0106<br>ASY 3221 | <br><br>Discussion |
| 0108 | Emily Landau<br>TuTh 9:30am - 10:20am<br>W 12:00pm - 12:50pm | Seats (Total: 20)<br>KEY 0106<br>KEY 0121 | <br><br>Discussion |
| 0109 | Emily Landau<br>TuTh 9:30am - 10:20am<br>Th 11:00am - 11:50am | Seats (Total: 20)<br>KEY 0106<br>LEF 1222 | <br><br>Discussion |

| | | | |
|---|---|---|---|
| 0110 | Emily Landau<br>TuTh 9:30am - 10:20am<br>Th 12:30pm - 1:20pm | Seats (Total: 20)<br>KEY 0106<br>LEF 1221 | Discussion |
| 0201 | Edwin Smead<br>MW 12:00pm - 12:50pm<br>M 1:00pm - 1:50pm | Seats (Total: 20)<br>KEY 0106<br>KEY 1117 | Discussion |
| 0202 | Edwin Smead<br>MW 12:00pm - 12:50pm<br>M 2:00pm - 2:50pm | Seats (Total: 20)<br>KEY 0106<br>KEY 0124 | Discussion |
| 0203 | Edwin Smead<br>MW 12:00pm - 12:50pm<br>Tu 9:30am - 10:20am | Seats (Total: 20)<br>KEY 0106<br>JMZ 0208 | Discussion |
| 0204 | Edwin Smead<br>MW 12:00pm - 12:50pm<br>Tu 12:30pm - 1:20pm | Seats (Total: 20)<br>KEY 0106<br>KEY 0120 | Discussion |
| 0205 | Edwin Smead<br>MW 12:00pm - 12:50pm<br>W 9:00am - 9:50am | Seats (Total: 20)<br>KEY 0106<br>KEY 0116 | Discussion |
| 0206 | Edwin Smead<br>MW 12:00pm - 12:50pm<br>W 11:00am - 11:50am | Seats (Total: 20)<br>KEY 0106<br>WDS 1127 | Discussion |
| 0207 | Edwin Smead<br>MW 12:00pm - 12:50pm<br>Th 11:00am - 11:50am | Seats (Total: 20)<br>KEY 0106<br>KEY 0123 | Discussion |
| 0208 | Edwin Smead<br>MW 12:00pm - 12:50pm<br>Th 2:00pm - 2:50pm | Seats (Total: 20)<br>KEY 0106<br>WDS 0104 | Discussion |
| 0209 | Edwin Smead<br>MW 12:00pm - 12:50pm<br>F 9:00am - 9:50am | Seats (Total: 20)<br>KEY 0106<br>KEY 0119 | Discussion |

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|---|---|---|---|
| 0210 | Edwin Smead<br>MW 12:00pm - 12:50pm<br>F 10:00am - 10:50am | Seats (Total: 20)<br>KEY 0106<br>WDS 0104 | Discussion |
| 0211 | Edwin Smead<br>MW 12:00pm - 12:50pm<br>F 11:00am - 11:50am | Seats (Total: 20)<br>KEY 0106<br>KEY 0126 | Discussion |
| 0212 | Edwin Smead<br>MW 12:00pm - 12:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 20)<br>KEY 0106<br>KEY 0103 | Discussion |

**HIST204** **Introduction to the History of Science**

**HIST204 Introduction to the History of Science; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.
*Credit only granted for: HIST174 or HIST204. Formerly: HIST174.* An exploration of the roots of modern science from the ancient Greeks through the medieval and early modern periods. Focus on the men and women who helped to create the sciences and to change public perceptions of their disciplines.

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|---|---|---|---|
| 0101 | Brian Casey<br>MW 11:00am - 11:50am<br>M 10:00am - 10:50am | Seats (Total: 20)<br>KEY 0102<br>WDS 1130 | Discussion |
| 0102 | Brian Casey<br>MW 11:00am - 11:50am<br>M 1:00pm - 1:50pm | Seats (Total: 20)<br>KEY 0102<br>WDS 1130 | Discussion |
| 0103 | Brian Casey<br>MW 11:00am - 11:50am<br>W 10:00am - 10:50am | Seats (Total: 20)<br>KEY 0102<br>WDS 1130 | Discussion |
| 0104 | Brian Casey<br>MW 11:00am - 11:50am<br>W 1:00pm - 1:50pm | Seats (Total: 20)<br>KEY 0102<br>WDS 1130 | Discussion |

**HIST208J** **Historical Research and Methods Seminar; Stepford Wives or Home Economists: Gender and Science in the Twentieth Century**

**HIST208J** *(PermReq)* **Historical Research and Methods Seminar: Stepford Wives or Home Economists: Gender and Science in the Twentieth Century; (3 credits)** Grade Method: REG.
Prerequisite: Permission of the department.

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|---|---|---|
| 0101 | Sarah Walsh<br>M 9:00am - 11:00am<br>Contact instructor or department for details. | Seats (Total: 15)<br>KEY 0107 |
| 0201 | Sarah Walsh<br>Tu 12:00pm - 2:00pm<br>Contact instructor or department for details. | Seats (Total: 15)<br>KEY 0107 |

**HIST208K** **Historical Research and Methods Seminar; Social Movements in Twentieth Century U.S. History**

**HIST208K** *(PermReq)* **Historical Research and Methods Seminar: Social Movements in Twentieth Century U.S. History; (3 credits)** Grade Method: REG.
Prerequisite: Permission of the deparment.

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|---|---|---|
| 0101 | Paul Gibson<br>M 2:00pm - 4:00pm<br>Contact instructor or department for details. | Seats (Total: 15)<br>KEY 0121 |
| 0201 | Paul Gibson<br>W 1:00pm - 3:00pm<br>Contact instructor or department for details. | Seats (Total: 15)<br>TLF 2103 |

**HIST208N** **Historical Research and Methods Seminar; Seizure of Power: The Politics of European Regime Change in the Nineteenth and Twentieth Centuries**

**HIST208N** *(PermReq)* **Historical Research and Methods Seminar: Seizure of Power: The Politics of European Regime Change in the Nineteenth and Twentieth Centuries; (3 credits)** Grade Method: REG.
Prerequisite: Permission of the department.

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|---|---|---|
| 0101 | Jeremy Best<br>Th 9:00am - 11:00am<br>Contact instructor or department for details. | Seats (Total: 15)<br>KEY 0107 |
| 0201 | Jeremy Best<br>Tu 11:00am - 1:00pm<br>Contact instructor or department for details. | Seats (Total: 15)<br>TLF 2100 |

**HIST208P** **Historical Research and Methods Seminar; The Revolutionary Atlantic World, 1756-1804**

**HIST208P** *(PermReq)* **Historical Research and Methods Seminar: The Revolutionary Atlantic World, 1756-1804; (3 credits)** Grade Method: REG. Prerequisite: Permission of department.

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|---|---|---|---|
| 0101 | Cathleen Brennan<br>Th 11:00am - 1:00pm<br>Contact instructor or department for details. | Seats (Total: 15)<br>KEY 0107 | |
| 0201 | Cathleen Brennan<br>Th 2:00pm - 4:00pm<br>Contact instructor or department for details. | Seats (Total: 15)<br>KEY 0107 | |

**HIST211** **Love, Labor, and Citizenship: History of American Women Since 1880**

**HIST211 Love, Labor, and Citizenship: History of American Women Since 1880; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
*Also offered as: WMST211. Credit only granted for: HIST211 or WMST211.* An examination of women's changing roles in working class and middle class families, the effects of industrialization on women's economic activities and status, and women's involvement in political and social struggles including those for women's rights, birth control, and civil rights.

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|---|---|---|---|
| 0101 | Robyn Muncy<br>TuTh 9:30am - 10:20am<br>Tu 12:30pm - 1:20pm | Seats (Total: 20)<br>SKN 0200<br>ASY 3221 | Discussion |
| 0102 | Robyn Muncy<br>TuTh 9:30am - 10:20am<br>Tu 11:00am - 11:50am | Seats (Total: 20)<br>SKN 0200<br>ASY 3221 | Discussion |
| 0103 | Robyn Muncy<br>TuTh 9:30am - 10:20am<br>W 12:00pm - 12:50pm | Seats (Total: 20)<br>SKN 0200<br>ASY 3217 | Discussion |
| 0105 | Robyn Muncy<br>TuTh 9:30am - 10:20am<br>Th 12:30pm - 1:20pm | Seats (Total: 20)<br>SKN 0200<br>SYM 0215 | Discussion |

**HIST214** **Rebellious Women**

**HIST214 Rebellious Women; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
*Credit only granted for: HIST214, HIST219B, or WMST298G. Formerly: HIST219B.*
Examination of British, French, and American women who rebelled against laws and cultural ideas that restricted women in their era. Explores changing assessments of these women across time.

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|---|---|---|---|
| 0101 | Gay Gullickson<br>TuTh 11:00am - 11:50am<br>Tu 9:30am - 10:20am | Seats (Total: 20)<br>KEY 0102<br>KEY 0121 | <br><br>Discussion |
| 0102 | Gay Gullickson<br>TuTh 11:00am - 11:50am<br>Tu 12:30pm - 1:20pm | Seats (Total: 20)<br>KEY 0102<br>KEY 0121 | <br><br>Discussion |
| 0103 | Gay Gullickson<br>TuTh 11:00am - 11:50am<br>Th 9:30am - 10:20am | Seats (Total: 20)<br>KEY 0102<br>KEY 0121 | <br><br>Discussion |
| 0104 | Gay Gullickson<br>TuTh 11:00am - 11:50am<br>Th 12:30pm - 1:20pm | Seats (Total: 20)<br>KEY 0102<br>KEY 0121 | <br><br>Discussion |

**HIST219E** **Special Topics in History; What Does Government Do? Politics, Policy and Opportunity in the Modern United States**

**HIST219E Special Topics in History: What Does Government Do? Politics, Policy and Opportunity in the Modern United States; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|---|
| 0101 | David Freund<br>MW 10:00am - 11:15am | Seats (Total: 30)<br>KEY 0121 | |

**HIST219Q** **Special Topics in History; American Social Violence**

**HIST219Q** *(PermReq)* **Special Topics in History: American Social Violence; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|---|
| HSWJ | Edwin Smead<br>TuTh 7:35am - 8:50am | Seats (Total: 20)<br>Location: TBA | |
| | *Restricted to Young Scholars students. Enrollment by Office of Extended Studies permission only.* | | |

**HIST219W** **Special Topics in History; Middle East and North Africa in the 20th Century**

**HIST219W Special Topics in History: Middle East and North Africa in the 20th Century; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|---|
| 0101 | Peter Wien<br>MW 10:00am - 10:50am<br>M 9:00am - 9:50am | Seats (Total: 20)<br>KEY 0102<br>KEY 0116 | <br><br>Discussion |
| 0102 | Peter Wien<br>MW 10:00am - 10:50am<br>M 12:00pm - 12:50pm | Seats (Total: 20)<br>KEY 0102<br>KEY 0117 | <br><br>Discussion |
| 0103 | Peter Wien<br>MW 10:00am - 10:50am<br>W 9:00am - 9:50am | Seats (Total: 20)<br>KEY 0102<br>KEY 0126 | <br><br>Discussion |
| 0104 | Peter Wien<br>MW 10:00am - 10:50am<br>W 11:00am - 11:50am | Seats (Total: 20)<br>KEY 0102<br>WDS 1114 | <br><br>Discussion |

**HIST222** **Immigration and Ethnicity in America**

**HIST222 Immigration and Ethnicity in America; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
*Also offered as: AAST222. Credit only granted for: AAST222, AAST298A, HIST219L, or HIST222. Formerly: HIST219L.* The history of immigration and the development of diverse populations i the United States are examined. Topics include related political controversies, the social experiences of immigrants, ethnicity, generations, migration, inter-group relations, race, and diversity in American culture. Also offered as AAST222.

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| 0101 | Lisa Mar<br>MW 11:00am - 11:50am<br>M 10:00am - 10:50am | Seats (Total: 20)<br>PLS 1140<br>PLS 1164 | Discussion |
| 0102 | Lisa Mar<br>MW 11:00am - 11:50am<br>M 1:00pm - 1:50pm | Seats (Total: 20)<br>PLS 1140<br>WDS 0104 | Discussion |
| 0103 | Lisa Mar<br>MW 11:00am - 11:50am<br>W 10:00am - 10:50am | Seats (Total: 20)<br>PLS 1140<br>PLS 1162 | Discussion |
| 0104 | Lisa Mar<br>MW 11:00am - 11:50am<br>W 1:00pm - 1:50pm | Seats (Total: 20)<br>PLS 1140<br>WDS 1131 | Discussion |

**HIST225** **Modern Military History, 1815-Present**

**HIST225 Modern Military History, 1815-Present; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.
The military history of Europe through an examination of the economic, financial, strategic, tactical, and technological aspects of the development of military institutions and warfare from the Congress of Vienna in 1815 to the present.

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| 0101 | Jon Sumida<br>MW 9:00am - 9:50am<br>M 12:00pm - 12:50pm | Seats (Total: 20)<br>KEY 0106<br>WDS 1131 | Discussion |

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| 0102 | Jon Sumida<br>MW 9:00am - 9:50am<br>M 2:00pm - 2:50pm | Seats (Total: 20)<br>KEY 0106<br>WDS 1131 | Discussion |
| 0103 | Jon Sumida<br>MW 9:00am - 9:50am<br>W 10:00am - 10:50am | Seats (Total: 20)<br>KEY 0106<br>TLF 1101 | Discussion |
| 0104 | Jon Sumida<br>MW 9:00am - 9:50am<br>W 11:00am - 11:50am | Seats (Total: 20)<br>KEY 0106<br>SKN 1112 | Discussion |
| 0105 | Jon Sumida<br>MW 9:00am - 9:50am<br>W 2:00pm - 2:50pm | Seats (Total: 20)<br>KEY 0106<br>LEF 1221 | Discussion |
| 0106 | Jon Sumida<br>MW 9:00am - 9:50am<br>F 9:00am - 9:50am | Seats (Total: 20)<br>KEY 0106<br>TLF 1103 | Discussion |
| 0107 | Jon Sumida<br>MW 9:00am - 9:50am<br>F 11:00am - 11:50am | Seats (Total: 20)<br>KEY 0106<br>ARC 1105 | Discussion |
| 0108 | Jon Sumida<br>MW 9:00am - 9:50am<br>F 1:00pm - 1:50pm | Seats (Total: 20)<br>KEY 0106<br>KEY 0117 | Discussion |

**HIST232** **The Historical Development of London**
**Contact department for information to register for this course.**

**HIST233** **Empire! The British Imperial Experience 1558-1997**

**HIST233 Empire! The British Imperial Experience 1558-1997; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
*Credit only granted for: HIST219P or HIST233. Formerly: HIST219P.* Britain's empire from the mid-sixteenth century to the late twentieth century, focusing on the encounter between Britain and indigenous peoples. Topics include the origins of British imperialism in Ireland and North America, the slave trade, the East India Company and India, women in empire, transportation and the making of Australia, sex in empire, missionaries, racial theories, and decolonization.

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| 0101 | Anne Rush<br>TuTh 9:30am - 10:20am<br>W 1:00pm - 1:50pm | Seats (Total: 20)<br>KEY 0102<br>KEY 0126 | <br><br>Discussion |
| 0102 | Anne Rush<br>TuTh 9:30am - 10:20am<br>Tu 12:30pm - 1:20pm | Seats (Total: 20)<br>KEY 0102<br>ASY 3219 | <br><br>Discussion |
| 0103 | Anne Rush<br>TuTh 9:30am - 10:20am<br>W 10:00am - 10:50am | Seats (Total: 20)<br>KEY 0102<br>ASY 3217 | <br><br>Discussion |
| 0104 | Anne Rush<br>TuTh 9:30am - 10:20am<br>Tu 11:00am - 11:50am | Seats (Total: 20)<br>KEY 0102<br>HBK 0108 | <br><br>Discussion |

**HIST234** **History of Britain to 1485**

**HIST234 History of Britain to 1485; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.
British history from Roman times to the 15th century. The Anglo-Saxon, Scandinavian, and Norman invasions; the coming of Christianity; Magna Carta, the development of Parliament, legal institutions, and the Common Law; the decline of medieval kingship.

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| 0101 | Sabrina Baron<br>TuTh 9:30am - 10:45am | Seats (Total: 40)<br>KEY 0126 | |

**HIST236** **History of Britain 1688 to Present**

**HIST236 History of Britain 1688 to Present; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.
British history from the Glorious Revolution of 1688 to the present. The revolution of 1688; the structure of 18th-century society and politics; economic and social change in the Industrial Revolution; 19th- and 20th-century political and social reform; imperialism; the impact of the First and Second World Wars on British society.

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| 0101 | Julie Taddeo<br>MW 1:00pm - 2:15pm | Seats (Total: 30)<br>TLF 1101 | |

**HIST251** **Latin America Since Independence**

**HIST251 Latin America Since Independence; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Introductory survey of the history of Latin America from the era of independence (c. 1810-1825) through the early 1980s. Major themes include independence and sovereignty, postcolonialism and neocolonialism, nation- and state-building, liberalism, citizenship, economic development and modernization, social organization and stratification, race and ethnicity, gender relations, identity politics, reform and revolution, authoritarianism and democratization, and inter-American relations.

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| 0101 | Alan Dillingham<br>TuTh 12:30pm - 1:20pm<br>M 10:00am - 10:50am | Seats (Total: 20)<br>KEY 0102<br>TLF 1103 | Discussion |
| 0102 | Alan Dillingham<br>TuTh 12:30pm - 1:20pm<br>M 1:00pm - 1:50pm | Seats (Total: 20)<br>KEY 0102<br>KEY 0126 | Discussion |
| 0103 | Alan Dillingham<br>TuTh 12:30pm - 1:20pm<br>Tu 9:30am - 10:20am | Seats (Total: 20)<br>KEY 0102<br>LEF 1220 | Discussion |
| 0104 | Alan Dillingham<br>TuTh 12:30pm - 1:20pm<br>Tu 11:00am - 11:50am | Seats (Total: 20)<br>KEY 0102<br>LEF 1221 | Discussion |

**HIST266** **The United States in World Affairs**

**HIST266 The United States in World Affairs; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course.
A study of the United States as an emerging world power and the American response to changing status in world affairs. Emphasis on the relationship between internal and external development of the nation.

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| 0101 | Edwin Smead | Seats (Total: 90) | |
| | MW 2:00pm - 3:15pm | SQH 1120 | |

**HIST269D** **Special Topics in Study Abroad II; Barcelona: the City and its History**
**Contact department for information to register for this course.**

**HIST269M** **Special Topics in Study Abroad II; History of Modern Italy**
**Contact department for information to register for this course.**

**HIST269O** **Special Topics in Study Abroad II; Mediterranean Politics and Culture**
**Contact department for information to register for this course.**

**HIST269Y** **Special Topics in Study Abroad II; Rome Republic & Empire**
**Contact department for information to register for this course.**

**HIST283** **History of the Jewish People II**

**HIST283 History of the Jewish People II; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
*Credit only granted for: HIST283, HIST283H, JWST235, or JWST235H.* Political, economic, social, and cultural development within Jewish history from the end of Middle Ages to the present. Special attention to twentieth-century developments including the Nazi holocaust and its aftermath, the Zionist movement and the creation of the State of Israel; rise of the contemporary American Jewish community. Also offered as JWST235.

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| 0101 | Bernard Cooperman | Seats (Total: 20) | |
| | MW 10:00am - 10:50am | KEY 0106 | |
| | M 11:00am - 11:50am | KEY 0123 | Discussion |

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| 0102 | Bernard Cooperman<br>MW 10:00am - 10:50am<br>M 1:00pm - 1:50pm | Seats (Total: 20)<br>KEY 0106<br>SYM 0209 | Discussion |
| 0105 | Bernard Cooperman<br>MW 10:00am - 10:50am<br>Tu 9:30am - 10:20am | Seats (Total: 20)<br>KEY 0106<br>JMZ 0120 | Discussion |
| 0106 | Bernard Cooperman<br>MW 10:00am - 10:50am<br>Tu 11:00am - 11:50am | Seats (Total: 20)<br>KEY 0106<br>SQH 2121 | Discussion |

**HIST283H** **History of the Jewish People II**

**HIST283H History of the Jewish People II; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
*Credit only granted for: HIST283, HIST283H, JWST235, or JWST235H.* Political, economic, social, and cultural development within Jewish history from the end of Middle Ages to the present. Special attention to twentieth-century developments including the Nazi holocaust and its aftermath, the Zionist movement and the creation of the State of Israel; rise of the contemporary American Jewish community. Also offered as JWST 235H.

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| 0101 | Bernard Cooperman<br>MW 10:00am - 10:50am<br>Contact instructor or department for details. | Seats (Total: 20)<br>KEY 0106 | |

**HIST285** **East Asian Civilization II**

**HIST285 East Asian Civilization II; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences.
A survey of the historical development of modern Asia since 1700. Primarily concerned with the efforts of East Asians to preserve their traditional cultures in the face of Western expansion in the 18th and 19th centuries, and their attempts to survive as nations in the 20th century.

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| 0101 | Charles Lilley<br>TuTh 11:00am - 11:50am<br>Th 9:30am - 10:20am | Seats (Total: 20)<br>TYD 2106<br>JMZ 0125 | Discussion |
| 0102 | Charles Lilley<br>TuTh 11:00am - 11:50am<br>W 1:00pm - 1:50pm | Seats (Total: 20)<br>TYD 2106<br>WDS 0104 | Discussion |
| 0103 | Charles Lilley<br>TuTh 11:00am - 11:50am<br>Th 12:30pm - 1:20pm | Seats (Total: 20)<br>TYD 2106<br>LEF 1220 | Discussion |
| 0104 | Charles Lilley<br>TuTh 11:00am - 11:50am<br>W 2:00pm - 2:50pm | Seats (Total: 20)<br>TYD 2106<br>WDS 0104 | Discussion |

**HIST289C** **Mirror of Democracy: The Golden Age of Athens**

**HIST289C Mirror of Democracy: The Golden Age of Athens; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

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| 0101 | Kenneth Holum<br>MW 11:00am - 11:50am<br>M 10:00am - 10:50am | Seats (Total: 20)<br>KEY 1117<br>TYD 1132 | Discussion |
| 0102 | Kenneth Holum<br>MW 11:00am - 11:50am<br>M 12:00pm - 12:50pm | Seats (Total: 20)<br>KEY 1117<br>TYD 1132 | Discussion |
| 0103 | Kenneth Holum<br>MW 11:00am - 11:50am<br>W 12:00pm - 12:50pm | Seats (Total: 20)<br>KEY 1117<br>TYD 0102 | Discussion |

**HIST289L** **Comparative History of Crime and Punishment**

**HIST289L Comparative History of Crime and Punishment; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

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| 0101 | Holly Brewer<br>TuTh 9:30am - 10:20am<br>Tu 11:00am - 11:50am | Seats (Total: 20)<br>KEY 1117<br>KEY 0123 | Discussion |
| 0102 | Holly Brewer<br>TuTh 9:30am - 10:20am<br>Tu 12:30pm - 1:20pm | Seats (Total: 20)<br>KEY 1117<br>KEY 0117 | Discussion |
| 0103 | Holly Brewer<br>TuTh 9:30am - 10:20am<br>Th 11:00am - 11:50am | Seats (Total: 20)<br>KEY 1117<br>KEY 0121 | Discussion |

**HIST289N** **The Politics of Sexuality in America: A Historical Approach**

**HIST289N The Politics of Sex in America: A Historical Approach; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies; Signature Courses - I-Series.

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| 0101 | Clare Lyons<br>MW 10:00am - 10:50am<br>W 11:00am - 11:50am | Seats (Total: 20)<br>TWS 1100<br>ASY 3203 | Discussion |
| 0102 | Clare Lyons<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am | Seats (Total: 20)<br>TWS 1100<br>TYD 1101 | Discussion |
| 0103 | Clare Lyons<br>MW 10:00am - 10:50am<br>F 11:00am - 11:50am | Seats (Total: 20)<br>TWS 1100<br>TYD 1101 | Discussion |

**HIST289O** **Lawlessness: From Pirates to Body-snatchers, Exploring the Legitimacy of Illicit Activity**

**HIST289O Lawlessness: From Pirates to Body-snatchers, Exploring the Legitimacy of Illicit Activity; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

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| 0101 | Anne Rush<br>TuTh 12:30pm - 1:20pm<br>Tu 9:30am - 10:20am | Seats (Total: 20)<br>WDS 1114<br>MMH 0108 | Discussion |

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| 0102 | Anne Rush<br>TuTh 12:30pm - 1:20pm<br>Tu 11:00am - 11:50am | Seats (Total: 20)<br>WDS 1114<br>BPS 1232 | Discussion |
| 0103 | Anne Rush<br>TuTh 12:30pm - 1:20pm<br>Tu 2:00pm - 2:50pm | Seats (Total: 20)<br>WDS 1114<br>KEY 0119 | Discussion |

**HIST289R** **Pocketbook Politics: A History of American Buying and Selling**

**HIST289R Pocketbook Politics: A History of American Buying and Selling; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.

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| 0101 | Katarina Keane<br>MW 2:00pm - 2:50pm<br>M 10:00am - 10:50am | Seats (Total: 20)<br>HJP 0226<br>KEY 0125 | Discussion |
| 0102 | Katarina Keane<br>MW 2:00pm - 2:50pm<br>W 10:00am - 10:50am | Seats (Total: 20)<br>HJP 0226<br>KEY 0125 | Discussion |
| 0103 | Katarina Keane<br>MW 2:00pm - 2:50pm<br>W 1:00pm - 1:50pm | Seats (Total: 20)<br>HJP 0226<br>KEY 0121 | Discussion |
| 0104 | Katarina Keane<br>MW 2:00pm - 2:50pm<br>M 1:00pm - 1:50pm | Seats (Total: 20)<br>HJP 0226<br>TLF 1103 | Discussion |
| 0105 | Katarina Keane<br>MW 2:00pm - 2:50pm<br>Tu 1:00pm - 1:50pm | Seats (Total: 20)<br>HJP 0226<br>TLF 1103 | Discussion |
| 0106 | Katarina Keane<br>MW 2:00pm - 2:50pm<br>Tu 12:00pm - 12:50pm | Seats (Total: 20)<br>HJP 0226<br>KEY 0123 | Discussion |

**HIST289T** **Jesus, Mani, and Muhammad: The Dynamics of New Religious Movements**

**HIST289T Jesus, Mani, and Muhammad: The Dynamics of New Religious Movements; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies; Signature Courses - I-Series.
Also offered as RELS289M. Credit will be granted for only one of the following: RELS289M or HIST289T.

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| 0101 | Hayim Lapin<br>MW 2:00pm - 2:50pm<br>M 1:00pm - 1:50pm | Seats (Total: 20)<br>TWS 1100<br>KEY 0121 | <br><br>Discussion |
| 0102 | Hayim Lapin<br>MW 2:00pm - 2:50pm<br>W 1:00pm - 1:50pm | Seats (Total: 20)<br>TWS 1100<br>KEY 0117 | <br><br>Discussion |
| 0103 | Hayim Lapin<br>MW 2:00pm - 2:50pm<br>W 10:00am - 10:50am | Seats (Total: 20)<br>TWS 1100<br>KEY 0120 | <br><br>Discussion |

**HIST299** **Directed Research**

**HIST299 Directed Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**HIST299C** **Directed Research; Modern Jewish History in Film**

**HIST299C Directed Research: Modern Jewish History in Film; (1 credit)** Grade Method: REG/P-F/AUD.
Pre- or corequisite: HIST283/JWST235 and HIST283H/JWST235H or permission of instructor. Also offered as JWST299C and ISRL299C. Credit will be granted for only one of the following: HIST299C, ISRL299C or JWST299C.

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| 0101 | Bernard Cooperman<br>W 4:00pm - 6:00pm | Seats (Total: 20)<br>SKN 1112 | |

**HIST307** **The Holocaust of European Jewry**

**HIST307 The Holocaust of European Jewry; (3 credits)** Grade Method: REG/P-F/AUD.

*Also offered as: JWST345. Credit only granted for: HIST307 or JWST345.* Roots of Nazi Jewish policy in the l930's and during World War II: the process of destruction and the implementation of the "final solution of the Jewish problem" in Europe, and the responses made by the Jews to their concentration and annihilation.

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| 0101 | Marsha Rozenblit<br>MW 1:00pm - 1:50pm<br>M 12:00pm - 12:50pm | Seats (Total: 20)<br>KEY 0102<br>WDS 0104 | <br><br>Discussion |
| 0102 | Marsha Rozenblit<br>MW 1:00pm - 1:50pm<br>M 2:00pm - 2:50pm | Seats (Total: 20)<br>KEY 0102<br>JMZ 0208 | <br><br>Discussion |
| 0103 | Marsha Rozenblit<br>MW 1:00pm - 1:50pm<br>W 12:00pm - 12:50pm | Seats (Total: 20)<br>KEY 0102<br>WDS 0104 | <br><br>Discussion |
| 0104 | Marsha Rozenblit<br>MW 1:00pm - 1:50pm<br>W 2:00pm - 2:50pm | Seats (Total: 20)<br>KEY 0102<br>JMZ 0208 | <br><br>Discussion |

**HIST319J** **Special Topics in History; Rome from Republic to Empire: 100 B.C. to 100 A.D.**

**HIST319J Special Topics in History: Rome from Republic to Empire: 100 B.C. to 100 A.D.; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Arthur Eckstein<br>TuTh 11:00am - 12:15pm | Seats (Total: 40)<br>KEY 0116 | |

**HIST319N** **Special Topics in History; A MODERN HISTORY OF KOREA**

**HIST319N Special Topics in History: A MODERN HISTORY OF KOREA; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Charles Lilley<br>TuTh 2:00pm - 3:15pm | Seats (Total: 40)<br>KEY 0116 | |

**HIST319Z** **Special Topics in History; The FBI 1909-1978**

**Contact department for information to register for this course.**

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**HIST328D** **Selected Topics in History; Vietnamese American Studies**

**HIST328D Selected Topics in History: Vietnamese American Studies; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as AAST398A.

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| 0101 | Thu Khuc | Seats (Total: 35) |
| | TuTh 11:00am - 12:15pm | HJP 1125 |

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**HIST331** **Europe in the High Middle Ages: 1000-1500**

**HIST331 Europe in the High Middle Ages: 1000-1500; (3 credits)** Grade Method: REG/P-F/AUD.
*Also offered as: RELS341. Credit only granted for: HIST331 or RELS341.* Medieval civilization in the 11th through 15th centuries. Emphasis on cultural and political developments of the high Middle Ages with study of the principal sources of medieval thought and learning, art and architecture, and political theory prior to the Renaissance.

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| 0101 | Christopher Gardner | Seats (Total: 40) |
| | TuTh 12:30pm - 1:45pm | SQH 2117 |

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**HIST353** **America in the Revolutionary Era, 1763-1815**

**HIST353 America in the Revolutionary Era, 1763-1815; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: HIST200, HIST210, HIST213, HIST254, or HIST275; or must have completed HIST156; or permission of instructor.* The background and course of the American Revolution and early nationhood through the War of 1812. Emphasis on how the Revolution shaped American political and social development, the creation of a new government under the Constitution, and the challenges facing the new nation.

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| 0101 | Robert Chiles | Seats (Total: 40) |
| | MW 9:00am - 10:15am | KEY 0103 |

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**HIST354** **Ante-Bellum America 1815-1861**

**HIST354 Ante-Bellum America 1815-1861; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: HIST200, HIST210, HIST213, HIST222, HIST254, or HIST275; or must have completed HIST156; or permission of instructor.* Traces how the strong nationalism after the War of 1812 transformed int the sectionalism that led to Civil War. The course concentrates on the controversies over slavery and other issues contributing to North-South antagonism, including Jacksonian democracy, capitalism, racism, immigration, manifest destiny and religious, social, and intellectual movements, each of which produced its own social tendencies and tensions.

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| 0101 | Donald McNeilly<br>MW 2:00pm - 3:15pm | Seats (Total: 40)<br>BPS 1236 |

**HIST355** **Civil War and the Rise of Industrialization, 1860-1900**

**HIST355 Civil War and the Rise of Industrialization, 1860-1900; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: HIST200, HIST201, HIST210, HIST213, HIST222, HIST254, HIST255, or HIST275; or must have completed HIST156 or HIST157; or permission of instructor. Credit only granted for: HIST355 or HIST364.* Civil War, sectional and class conflicts and their impact on American life and institutions from the beginning of the Civil War through the Gilded Age; social, economic, and political reconstruction of the Union; industrialization, urbanization, and technological changes.

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| 0101 | Emily Landau<br>TuTh 2:00pm - 3:15pm | Seats (Total: 40)<br>KEY 0103 |

**HIST356** **Emergence of Modern America, 1900-1945**

**HIST356 Emergence of Modern America, 1900-1945; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: HIST201, HIST211, HIST213, HIST222, HIST255, or HIST275; or must have completed HIST157; or permission of instructor.* The emergence of modern institutions and identities, 1900-1945. These institutions may include corporate enterprises and the welfare state; identities include homosexuality, the New Woman, and the New Negro.

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| 0101 | Katarina Keane<br>MW 11:00am - 12:15pm | Seats (Total: 40)<br>KEY 0116 |

**HIST357** **Recent America: 1945-Present**

**HIST357 Recent America: 1945-Present; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: HIST201, HIST211, HIST213, HIST222, HIST255, or HIST275; or must have completed HIST157; or permission of instructor.* American history from the inauguration of Harry S. Truman to the present with emphasis upon politics and foreign relations, but with consideration of special topics such as radicalism, conservatism, and labor.

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| 0101 | Robert Chiles | Seats (Total: 40) |
| | TuTh 12:30pm - 1:45pm | KEY 0103 |

**HIST386** **Experiential Learning**

**HIST386** *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
*Restriction: Permission of ARHU-History department; and junior standing or higher.* The History Department's Internship program. Pre-professional experience in historical research, analysis, and writing in a variety of work settings.

**Contact department for information to register for this course.**

**HIST396** **Honors Colloquium II**

**HIST396** *(PermReq)* **Honors Colloquium II; (3 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
*Prerequisite: Permission of ARHU-History department; or HIST395. Restriction: Must be in History program.* Uses a seminar approach to examine a major problem of historical interpretation across two or more diverse cultures in different periods. Topics vary and include: religion and society, the city in history, gender, slavery and emancipation, and modernization.

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|---|---|---|
| 0101 | Alejandro Caneque | Seats (Total: 12) |
| | Th 4:30pm - 6:30pm | TLF 2100 |
| | Contact instructor or department for details. | |

**HIST398** **Honors Thesis I**

**HIST398** *(PermReq)* **Honors Thesis I; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisite: permission of department.

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|---|---|---|
| 0101 | David Freund<br>M 1:00pm - 3:00pm<br>Contact instructor or department for details. | Seats (Total: 12)<br>KEY 0107 |

**HIST404** **History of Modern Biology**

**HIST404 History of Modern Biology; (3 credits)** Grade Method: REG/P-F/AUD. The internal development of biology in the 19th and 20th centuries, including evolution, cell theory, heredity and development, spontaneous generation, and mechanism-vitalism controversies. The philosophical aspects of the development of scientific knowledge and the interaction of biology with chemistry and physics.

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|---|---|---|
| SG91 | John Parascandola<br>TuTh 9:30am - 10:45am<br>*Registration is restricted to Biological Sciences-Shady Grove majors. Permission is required for all other students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission.* | Seats (Total: 35)<br>BLD2 3012 |

**HIST406** **History of Technology**

**HIST406 History of Technology; (3 credits)** Grade Method: REG/P-F/AUD. The changing character of technology in modern history, beginning with the Middle Ages. Concentrates on the Industrial Revolution and its aftermath, the nature of technological knowledge and the sources of technological change.

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|---|---|---|
| 0101 | Robert Friedel<br>TuTh 12:30pm - 1:45pm | Seats (Total: 40)<br>KEY 1117 |

**HIST408A** **Senior Seminar; Invention, Economy & Society in Making of Modern America**

**HIST408A** *(PermReq)* **Senior Seminar: Invention, Economy & Society in Making of Modern America; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: permission of department.

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|---|---|---|
| 0101 | Robert Friedel<br>Tu 3:00pm - 5:00pm<br>Contact instructor or department for details. | Seats (Total: 12)<br>TLF 2103 |

**HIST408C** **Senior Seminar; The Construction of Jewish Knowledge**

**HIST408C** *(PermReq)* **Senior Seminar: The Construction of Jewish Knowledge; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: Permission of the department.

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|---|---|---|
| 0101 | Bernard Cooperman<br>M 2:00pm - 4:00pm<br>Contact instructor or department for details. | Seats (Total: 7)<br>TLF 2108 |

**HIST408E** **Senior Seminar; Empire and Central Asia**

**HIST408E** *(PermReq)* **Senior Seminar: Empire and Central Asia; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: Permission of the department.

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|---|---|---|
| 0101 | Sarah Cameron<br>W 3:00pm - 5:00pm<br>Contact instructor or department for details. | Seats (Total: 12)<br>KEY 0117 |

**HIST408I** **Senior Seminar; Memory and Politics in the Aftermath of War, Dictatorship and Gross Injustice**

**HIST408I** *(PermReq)* **Senior Seminar: Memory and Politics in the Aftermath of War, Dictatorship and Gross Injustice; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Permission of department required.

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|---|---|---|
| 0101 | Jeffrey Herf<br>Th 2:00pm - 4:00pm<br>Contact instructor or department for details. | Seats (Total: 12)<br>TLF 2100 |

**HIST408J** **Senior Seminar; The Modern Babylon: A Cultural History of 19th Century London**

**HIST408J** *(PermReq)* **Senior Seminar: The Modern Babylon: A Cultural History of 19th Century London; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: permission of department.

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|---|---|---|
| 0101 | Julie Taddeo | Seats (Total: 12) |
| | M 10:00am - 12:00pm<br>Contact instructor or department for details. | TLF 2100 |

**HIST408K** **Senior Seminar; Early American History**

**HIST408K** *(PermReq)* **Senior Seminar: Early American History; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: permission of department.

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|---|---|---|
| 0101 | Miles Bradbury | Seats (Total: 12) |
| | Th 10:00am - 12:00pm<br>Contact instructor or department for details. | TLF 2100 |

**HIST408M** **Senior Seminar; Literature and Empire**

**HIST408M** *(PermReq)* **Senior Seminar: Literature and Empire; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: permission of department.

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|---|---|---|
| 0101 | Arthur Eckstein | Seats (Total: 12) |
| | W 2:00pm - 4:00pm<br>Contact instructor or department for details. | TLF 2100 |

**HIST408O** **Senior Seminar; Life Histories of African Women**

**HIST408O** *(PermReq)* **Senior Seminar: Life Histories of African Women; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: permission of department.

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|---|---|---|
| 0101 | Hilary Jones | Seats (Total: 12) |
| | Tu 2:00pm - 4:00pm<br>Contact instructor or department for details. | TLF 2100 |

**HIST408Q** **Senior Seminar; Cultures of the Cuban Revolution**

**HIST408Q** *(PermReq)* **Senior Seminar: Cultures of the Cuban Revolution; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: Permission of department.

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| 0101 | David Sartorius | Seats (Total: 12) |
| | M 1:00pm - 3:00pm | TLF 2100 |
| | Contact instructor or department for details. | |

**HIST408R** **Senior Seminar; Women, Gender, Society, and Politics**

**HIST408R** *(PermReq)* **Senior Seminar: Women, Gender, Society, and Politics; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
Prerequisite: Permission of the department.

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|---|---|---|
| 0101 | Gay Gullickson | Seats (Total: 12) |
| | Th 3:30pm - 5:30pm | KEY 2120 |
| | Contact instructor or department for details. | |

**HIST413** **Revolutionary Prophets: Political and Religious Movements in Africa and the Atlantic World**

**HIST413 Revolutionary Prophets: Political and Religious Movements in Africa and the Atlantic World; (3 credits)** Grade Method: REG/P-F/AUD.
*Recommended: HIST122 or HIST123. Credit only granted for: HIST413 or HIST419V. Formerly: HIST419V.* In the expanding nineteenth-century and twentieth-century culture of the "Black Atlantic" world, investigates the intersection of African cultures, modern nationalism, prophetism, millenarianism, and social change.

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|---|---|---|
| 0101 | Paul Landau | Seats (Total: 40) |
| | MW 2:00pm - 3:15pm | KEY 0103 |

**HIST416** **History of Slavery and the Slave Trade in Africa**

**HIST416 History of Slavery and the Slave Trade in Africa; (3 credits)** Grade Method: REG/P-F/AUD.
*Credit only granted for: HIST416 or HIST419Y. Formerly: HIST419Y.* Examines the history and impact of the slave trade on African states, societies, and economies. Investigates the meaning of slavery in Africa, the local uses of slavery there and Africa's connections to the Trans-Saharan, Red Sea, and Trans-Atlantic slave trades.

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|---|---|---|
| 0101 | Hilary Jones | Seats (Total: 30) |
| | TuTh 11:00am - 12:15pm | TLF 1101 |

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**HIST419A** **Special Topics in History; Gender and Autobiography in Modern Jewish History**

**HIST419A Special Topics in History: Gender and Autobiography in Modern Jewish History; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as JWST419A and WMST498K. Credit will be granted for only one of the following: JWST419A, HIST419A, or WMST498K.

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|---|---|---|
| 0101 | Eliyana Adler | Seats (Total: 30) |
| | Tu 3:30pm - 6:00pm | TYD 0101 |

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**HIST419D** **Special Topics in History; Islam in Europe**

**HIST419D Special Topics in History: Islam in Europe; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as RELS419D. Credit will be granted for only one of the following: HIST419D or RELS419D.

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|---|---|---|
| 0101 | Madeline Zilfi | Seats (Total: 30) |
| | TuTh 11:00am - 12:15pm | KEY 0126 |

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**HIST419F** **Special Topics in History; Topics in Rabbinic Law: Readings in Rabbinic Hebrew**

**HIST419F Special Topics in History: Topics in Rabbinic Law: Readings in Rabbinic Hebrew; (3 credits)** Grade Method: REG/P-F/AUD.
Texts taught in Hebrew. Prerequisite: HEBR313 or permission of instructor. Also offered as JWST469F. Credit will be granted for only one of the following: HIST419F or JWST469F.

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|---|---|---|
| 0101 | Hayim Lapin<br>W 4:00pm - 6:30pm | Seats (Total: 30)<br>TLF 1101 |

**HIST419K** **Special Topics in History; Victorian London c. 1830-1900**
**Contact department for information to register for this course.**

**HIST419M** **Special Topics in History; Nazi Germany**

**HIST419M Special Topics in History: Nazi Germany; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Jeffrey Herf<br>TuTh 9:30am - 10:45am | Seats (Total: 40)<br>KEY 0116 |

**HIST419Q** **Special Topics in History; Jews of Eastern Europ**

**HIST419Q Special Topics in History: Jews of Eastern Europ; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as JWST370.

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|---|---|---|
| 0101 | Eliyana Adler<br>TuTh 2:00pm - 3:15pm | Seats (Total: 30)<br>TYD 2111 |

**HIST428M** **Selected Topics in History; Corporate Visual Culture since 1950**

**HIST428M Selected Topics in History: Corporate Visual Culture since 1950; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as ARTH489B.

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| 0101 | Joshua Shannon<br>TuTh 11:00am - 12:15pm | Seats (Total: 30)<br>ASY 3211 |

**HIST428V** **Selected Topics in History; Dividing Palestine? A Simulation of Jewish-Arab Negotiations**

**HIST428V Selected Topics in History: Dividing Palestine? A Simulation of Jewish-Arab Negotiations; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as ISRL448D. The Jewish-Arab conflict in Palestine from the early 20th century to 1948 will be explored. A 5-week simulation will be featured in which students will assume roles of the Jewish and Arab leader of the 1930's and negotiate over what is known as the "First Partition Plan" for Palestine.

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|---|---|---|
| 0101 | Paul Scham | Seats (Total: 20) |
| | TuTh 3:00pm - 4:15pm | HLZ 0142 |

**HIST428W** **Selected Topics in History; History of the Jewish Communities in the Lands of Islam During Modern Times**

**HIST428W Selected Topics in History: History of the Jewish Communities in the Lands of Islam During Modern Times; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as ISRL449R and JWST429A. Credit will be granted for HIST428W, ISRL449R, or JWST429A. The history of the Jewish communities of the lands of Islam from the time of Muhammad until the present day.

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|---|---|---|
| 0101 | Joseph Ringel | Seats (Total: 40) |
| | TuTh 12:30pm - 1:45pm | CSS 2428 |

**HIST429D** **Special Topics in History; South Asian Diaspora**

**HIST429D Special Topics in History: South Asian Diaspora; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as AAST498J. This course examines the South Asian American Diaspora in its cultural context. It focuses on the historical roots of the Diaspora and the conditions under which South Asian Americans created homes for themselves in America, as well as present-day South Asian American Diasporic culture including popular culture, film, music, dance, art, theater and literature.

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| 0101 | Jyoti Mohan | Seats (Total: 30) |
| | Tu 4:00pm - 6:30pm | TWS 0221 |

**HIST429J** **Special Topics in History; History of Psychoactive Drugs**

**HIST429J Special Topics in History: History of Psychoactive Drugs; (3 credits)** Grade Method: REG/P-F/AUD.

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| SG91 | John Parascandola<br>Th 2:00pm - 4:30pm<br>*Limited to CCJS students at Shady Grove.* | Seats (Total: 40)<br>BLD3 2225 |

**HIST429N** **Special Topics in History; Late Medieval Middle East, 1000-1500 CE**

**HIST429N Special Topics in History: Late Medieval Middle East, 1000-1500 CE; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as RELS419N or PERS498C. Credit will be granted for only one of the following: HIST429N, RELS419N, or PERS498C.

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| 0101 | Ahmet Karamustafa<br>W 3:30pm - 5:30pm<br>Contact instructor or department for details. | Seats (Total: 15)<br>TLF 2103 |

**HIST431** **Stuart England**

**HIST431 Stuart England; (3 credits)** Grade Method: REG/P-F/AUD.
An examination of the political, religious, and social forces in English life, 1603-1714, with special emphasis on Puritanism and the English revolutions.

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| 0101 | Sabrina Baron<br>TuTh 12:30pm - 1:45pm | Seats (Total: 40)<br>KEY 0116 |

**HIST440** **Germany in the Nineteenth Century, 1815-1914**
**Contact department for information to register for this course.**

**HIST442** **Twentieth-Century Russia**

**HIST442 Twentieth-Century Russia; (3 credits)** Grade Method: REG/P-F/AUD.
Russia and the Soviet Union from the fall of the tsars to the post- communist present. Impact of Leninism, Stalinism, and Soviet Communism on state, society, culture, and nationality.

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| 0101 | Sarah Cameron<br>MW 11:00am - 12:15pm | Seats (Total: 40)<br>KEY 0126 |

**HIST455** **Constitutional History of the United States: Since 1860**

**HIST455 Constitutional History of the United States: Since 1860; (3 credits)** Grade Method: REG/P-F/AUD.
American public law and government, with emphasis on the interaction of government, law, and politics. Emphasis on the political-constitutional system as a whole, rather than simply the development of constitutional law by the Supreme Court. Major crises in American government and politics such as Civil War, Reconstruction, the 1890s, the New Deal era, the civil disorders of the 1960s.

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|---|---|---|
| 0101 | Michael Ross | Seats (Total: 40) |
| | MW 11:00am - 12:15pm | KEY 0103 |

**HIST466** **Immigration and Ethnicity in the U.S.**

**HIST466 Immigration and Ethnicity in the U.S.; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: AAST200, AAST201, AAST222, HIST200, HIST201, HIST221, or HIST222; or must have completed HIST156 or HIST157; or permission of ARHU-History department. Credit only granted for: AAST498L or HIST466.* Seminar exploring historical problems relating to US immigration, race, and ethnicity since 1848, with emphasis on cultural impacts of migration on immigrants, their children, and U.S. society. Also offered as AAST498L.

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| 0101 | Lisa Mar | Seats (Total: 30) |
| | MW 2:00pm - 3:15pm | HBK 0105 |

**HIST473** **History of the Caribbean**

**HIST473 History of the Caribbean; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
*Prerequisite: HIST112, HIST113, HIST122, HIST123, HIST240, HIST250, or HIST251.* Offers a concise introduction to the history of the Caribbean regions from the Columbian voyages to the 20th century. Special emphasis is given to the dynamics of local social and cultural formations within the framework of the political and economic history of the Atlantic world.

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| 0101 | David Sartorius | Seats (Total: 40) |
| | MW 11:00am - 12:15pm | SQH 1121 |

**HIST483** **History of Japan Since 1800**

**HIST483 History of Japan Since 1800; (3 credits)** Grade Method: REG/P-F/AUD. Japan's renewed contact with the Western world and emergence as a modern state, industrial society, and world power, 1800-1931; and Japan's road to war, occupation, and recovery, 1931 to the present.

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| 0101 | Shuji Otsuka | Seats (Total: 40) |
| | MW 1:00pm - 2:15pm | KEY 0116 |

**HIST495** **Women in Medieval Culture and Society**

**HIST495 Women in Medieval Culture and Society; (3 credits)** Grade Method: REG/P-F/AUD.
*Also offered as: WMST455. Credit only granted for: HIST495 or WMST455.* Medieval women's identity and cultural roles: the condition, rank and rights of medieval women; their access to power; a study of women's writings and the constraints of social constructs upon the female authorial voice; and contemporary assumptions about women.

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|---|---|---|
| 0101 | Janna Bianchini | Seats (Total: 30) |
| | MW 2:00pm - 3:15pm | KEY 0126 |

**HIST499** **Independent Study**

**HIST499** *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

**Contact department for information to register for this course.**

**HIST601** **History and Contemporary Theory**

**HIST601 History and Contemporary Theory; (3 credits)** Grade Method: REG/AUD. An introduction to contemporary theories in philosophy, literary criticism, cultural studies, anthropology, and other fields; and analysis of their usefulness to historians.

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| 0101 | Karin Rosemblatt | Seats (Total: 15) |
| | W 6:00pm - 8:30pm | TLF 2108 |

**HIST607** **The Teaching of History in Institutions of Higher Learning**

**HIST607 The Teaching of History in Institutions of Higher Learning; (1 credit)** Grade Method: S-F.
For majors only.

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|---|---|---|
| 0101 | Marsha Rozenblit<br>Contact instructor or department for details. | Seats (Total: 15) |
| 0201 | Holly Brewer<br>Contact instructor or department for details. | Seats (Total: 6) |

**HIST608B** **General Seminar; American History**

**HIST608B** *(PermReq)* **General Seminar: American History; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

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| 0101 | Robyn Muncy<br>Tu 3:30pm - 6:00pm | Seats (Total: 12)<br>TLF 2108 |

**HIST610** **Introduction to Museum Scholarship**

**HIST610 Introduction to Museum Scholarship; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in American Studies program; or must be in Anthropology program; or must be in Historic Preservation (Master's) program; or must be in one of the following programs (History (Master's); History (Doctoral)) ; or must be in History program; or permission of ARHU-History department. Also offered as: AMST655. Credit only granted for: AMST655 or HIST610. Formerly: HIST619C.* Provides students a basic understanding of museums as cultural and intellectual institutions. Topics include the historical development of museums, museums as resources for scholarly study, and the museum exhibition as medium for presentation of scholarship.

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| 0101 | Marvette Perez, Ellen Hughes<br>M 4:30pm - 7:10pm | Seats (Total: 15)<br>Location: TBA |

**HIST619A** **Special Topics in History; Independent Study**

**HIST619A** *(PermReq)* **Special Topics in History: Independent Study; (1-3 credits)**
Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

**Contact department for information to register for this course.**

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**HIST619B** **Special Topics in History; Independent Study**

**HIST619B** *(PermReq)* **Special Topics in History: Independent Study; (1-3 credits)**
Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

**Contact department for information to register for this course.**

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**HIST619C** **Special Topics in History; The Roman Near East: From Pompey to the Muslim Conquest**

**HIST619C Special Topics in History: The Roman Near East: From Pompey to the Muslim Conquest; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Kenneth Holum | Seats (Total: 12) |
| | Contact instructor or department for details. | |

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**HIST619F** **Special Topics in History; Women, Gender and Social Policy**

**HIST619F Special Topics in History: Women, Gender and Social Policy; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Sonya Michel | Seats (Total: 12) |
| | W 4:15pm - 6:45pm | TLF 1103 |

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**HIST619J** **Special Topics in History; Readings in the History and Theory of Popular Culture**

**HIST619J Special Topics in History: Readings in the History and Theory of Popular Culture; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Saverio Giovacchini | Seats (Total: 15) |
| | W 1:00pm - 3:30pm | TLF 2108 |

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**HIST619Q** **Special Topics in History; Readings in Military History**

**HIST619Q Special Topics in History: Readings in Military History; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Jon Sumida<br>W 6:00pm - 9:15pm | Seats (Total: 12)<br>TLF 2110 |

**HIST628** **Readings in Colonial American History to 1763**

**HIST628 Readings in Colonial American History to 1763; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Clare Lyons<br>W 1:00pm - 3:30pm | Seats (Total: 12)<br>TLF 2101 |

**HIST639W** **Special Topics in History; Comparative History of Crime and Punishment, England, France, and America 1550-Present**

**HIST639W Special Topics in History: Comparative History of Crime and Punishment, England, France, and America 1550-Present; (3 credits)** Grade Method: REG/AUD.
Also offered as AMST629W

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| 0101 | Holly Brewer<br>Th 3:30pm - 6:00pm | Seats (Total: 12)<br>TLF 2103 |

**HIST708** **Directed Independent Reading for Comprehensive Examinations I**

**HIST708 Directed Independent Reading for Comprehensive Examinations I; (1-4 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**HIST709** **Directed Independent Reading for Comprehensive Examinations II**

**HIST709 Directed Independent Reading for Comprehensive Examinations II; (1-4 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**HIST799** **Master's Thesis Research**

**HIST799** *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**HIST811** **Museum Scholarship Practicum**

**HIST811 Museum Scholarship Practicum; (3-6 credits)** Grade Method: REG. *Prerequisite: HIST810. Restriction: Permission of Museum Scholarship Program required. Also offered as: AMST857. Credit only granted for: AMST857 or HIST811.* Students devise and carry out a research program using the collections at the Smithsonian Institution or some other cooperating museum, working under joint supervision of a museum professional and a university faculty member.

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| 0401 | Mary Sies | Seats (Total: 2) |
| | Contact instructor or department for details. | |

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**HIST819A** **Special Topics in History: Independent Research**

**HIST819A** *(PermReq)* **Special Topics in History: Independent Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Department permission required.

**Contact department for information to register for this course.**

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**HIST819B** **Special Topics in History: Independent Research**

**HIST819B** *(PermReq)* **Special Topics in History: Independent Research; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Department permission required.

**Contact department for information to register for this course.**

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**HIST819V** **Special Topics in History: Independent Research; Research in Nineteenth-Century United States History**

**HIST819V Special Topics in History: Independent Research: Research in Nineteenth-Century United States History; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Leslie Rowland | Seats (Total: 12) |
| | Th 6:00pm - 8:30pm | TLF 2110 |

**HIST898** **Pre-Candidacy Research**

**HIST898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**HIST899** **Doctoral Dissertation Research**

**HIST899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# HLSA Health Services Administration Spring 2013

**HLSA601** **Introduction to Health Systems**

**HLSA601 Introduction to Health Systems; (3 credits)** Grade Method: REG/AUD. *Restriction: Must not have completed HLTH740. Credit only granted for: HLSA601, HLTH688A, or HLTH740. Formerly: HLTH688A or HLTH740.* Management and leadership skills for effective public health planning, organization, management and administration. Emphasis is on the role of institutions in learning and behavioral change process, organizational theory, administration management, and coordinating provision of community health services.

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| 0101 | Jie Chen | Seats (Total: 30) |
| | W 4:00pm - 6:45pm | SPH 0308 |

**HLSA688** **Independent Study**

**HLSA688** *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**HLSA689** **Field Work in Aging**

**HLSA689 Field Work in Aging; (1-6 credits)** Grade Method: REG.

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| 0101 | Laura Wilson | Seats (Total: 1) |
| | Contact instructor or department for details. | |

**HLSA702** **Policy and Politics of Health**

**HLSA702 Policy and Politics of Health; (3 credits)** Grade Method: REG/AUD. Organizational and financial components of teh U.S. health care system, including social and political forces that bind the system. Advanced political analysis of the health care system, including key issues and problems.

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| 0101 | Lori Simon-Rusinowitz | Seats (Total: 10) |
| | Th 1:00pm - 3:45pm | SPH 2334 |

**HLSA709** **Current Topics in Health Services**

**HLSA709 Current Topics in Health Services; (1 credit)** Grade Method: REG/AUD.

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| 0101 | Lori Simon-Rusinowitz | Seats (Total: 20) |
| | F 12:00pm - 2:00pm | SPH 0301 |

**HLSA711** **Health Economics and Analysis**

**HLSA711 Health Economics and Analysis; (3 credits)** Grade Method: REG/AUD. Provides an analysis of health and health care services as economic goods. Using microeconomic theories, we will examine the behavior of health care providers, consumers, markets, and firms. Also offeres as PUAF798G

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| 0101 | Jack Meyer | Seats (Total: 25) |
| | W 1:00pm - 3:45pm | SPH 0308 |

**HLSA740** **Healthcare Strategic Planning and Marketing**

**HLSA740 Healthcare Strategic Planning and Marketing; (3 credits)** Grade Method: REG/AUD.

*Restriction: Must be in a major in SPHL-School of Public Health; or permission of instructor.* Provides an understanding of strategic management and marketing enabling the student to lead the process of strategic planning in a health care organization. By conducting a marketing and strategic planning process, health care organizations are better able to cope with dramatic changes in technological, social, political, regulatory, and competitive aspects of the health care market. Through course reading, class discussion, analyses of secondary quantitative and qualitative data, and presentation of case studies, students gain a thorough understanding of the process of strategic management.

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| 0101 | Christopher King | Seats (Total: 25) |
| | Tu 7:00pm - 9:45pm | SPH 0303 |

**HLSA772** **Healthcare Leadership and Communications**

**HLSA772 Healthcare Leadership and Communications; (3 credits)** Grade Method: REG/AUD.

Health care administrators rely on transformational leadership skills and insights to help their organizations rise to the social financial, public health, and technological challenges of the future. Students will assess and develop their leadership strengths, apply key leadership communication principles, and critically analyze relevent leadership models, exploring their utility in addressing key leadership issues in health care organizations. An underlying theme will be the identification of core values involved in health care delivery, integration of those values in personal and organizational missions, and effective communication to stakeholders.

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|---|---|---|
| 0101 | Tracey Manning | Seats (Total: 25) |
| | Tu 1:00pm - 3:45pm | SPH 0301 |

**HLSA775** **Public Health Research**

**HLSA775 Public Health Research; (3 credits)** Grade Method: REG/AUD. *Prerequisite: EPIB650. Restriction: Must be in a major in SPHL-School of Public Health; or permission of instructor.* Provides an interdisciplinary approach to gaining an understanding of and acquiring the skills to conduct public health research. This course covers policy and social issues, theory, and methods of evaluation and participatory research, from simple community based health programs to large-scale interventions. The course emphasizes experimental and quasi-experimental designs to estimate program impact as well as evaluation of program implementation. Case studies drawn from the public health field illustrate various types of evaluations and participatory research initiatives. Lectures, interactive discussions, group projects, individual projects and related assignments.

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| 0101 | Rada Dagher<br>Tu 4:00pm - 6:45pm | Seats (Total: 20)<br>JMP 1109 |

**HLSA785** **Internship in Public Health**

**HLSA785 Internship in Public Health; (3 credits)** Grade Method: REG/AUD. *Prerequisite: Permission of SPHL-Health Services Administration department.* Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

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|---|---|---|
| 0101 | Lori Simon-Rusinowitz<br>Contact instructor or department for details. | Seats (Total: 10) |
| 0201 | Rada Dagher<br>Contact instructor or department for details. | Seats (Total: 10) |
| 0301 | Karoline Mortensen<br>Contact instructor or department for details. | Seats (Total: 10) |
| 0401 | Laura Wilson<br>Contact instructor or department for details. | Seats (Total: 10) |
| 0501 | Jie Chen<br>Contact instructor or department for details. | Seats (Total: 10) |
| 0601 | Stephen Thomas<br>Contact instructor or department for details. | Seats (Total: 10) |

**HLSA786** **Capstone Project in Public Health**

**HLSA786** *(PermReq)* **Capstone Project in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: Permission of SPHL-Health Services Administration department.* Capstone experience provding opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

**Contact department for information to register for this course.**

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**HLSA787** **Distrust, Race & Research: Overview of Minority Health and Disparities Research**

**HLSA787 Distrust, Race & Research: Overview of Minority Health and Disparities Research; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in a major in SPHL-School of Public Health; or permission of instructor.* A critical analysis of historical, political, economic, social, cultural, and environmental conditions that have produced an inequitable health status for racial and ethnic minorities in the United States.

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| 0101 | Stephen Thomas | Seats (Total: 10) |
| | Tu 4:00pm - 6:45pm | SPH 0301 |

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**HLSA799** **Master's Thesis Research**

**HLSA799** *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**HLSA898** **Pre-Candidacy Research**

**HLSA898** *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**HLSA899** **Doctoral Dissertation Research**

**HLSA899** *(PermReq)* **Doctoral Dissertation Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# HLSC Integrated Life Sciences Spring 2013

**HLSC322** **Principles of Genetics and Genomics**

**HLSC322 Principles of Genetics and Genomics; (4 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: HLSC207. Restriction: Must be in a major in UGST-HCOL-Integrated Life Sciences Program. Credit only granted for: HLSC322 or BSCI222.* Principles and mechanisms of heredity and gene expression, with a focus on the application of genomics to contemporary medicine, biotechnology, and societal issues.

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| 0101 | Raymond StLeger<br>TuTh 11:00am - 12:15pm<br>Tu 3:00pm - 4:50pm | Seats (Total: 22)<br>CCC 1205<br>LPA 0124 | <br><br>Discussion |
| 0102 | Raymond StLeger<br>TuTh 11:00am - 12:15pm<br>W 3:00pm - 4:50pm | Seats (Total: 22)<br>CCC 1205<br>LPA 0124 | <br><br>Discussion |
| 0103 | Raymond StLeger<br>TuTh 11:00am - 12:15pm<br>Th 3:00pm - 4:50pm | Seats (Total: 22)<br>CCC 1205<br>LPA 0124 | <br><br>Discussion |

**HLSC377** **Research and Application in Life Sciences**

**HLSC377 Research and Application in Life Sciences; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
*Prerequisite: HLSC207 and HLSC322. Restriction: Must be in the Integrated Life Sciences honors program.* A skills based course covering current research in the life sciences emphasizing novel approaches to complex real-word problems having a biological basis.

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| 0101 | Byrn Quimby<br>TuTh 9:30am - 10:45am | Seats (Total: 30)<br>LPA 1125 | |

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| 0102 | Byrn Quimby | Seats (Total: 30) |
| | TuTh 12:30pm - 1:45pm | LPA 1125 |

# HLTH Health Spring 2013

**HLTH106** **Drug Use and Abuse**

**HLTH106 Drug Use and Abuse; (3 credits)** Grade Method: REG/P-F/AUD.
An interdisciplinary analysis of contemporary drug issues and problems. The course will examine physiological, psychological, social, philosophical, historical, legal and health aspects of drug use and abuse. Special attention will be focused on those general motivations for drug use that attend life on the college campus.

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| 0101 | Kenneth Beck | Seats (Total: 100) |
| | TuTh 12:30pm - 1:45pm | EGR 1202 |

**HLTH130** **Introduction to Public and Community Health**

**HLTH130 Introduction to Public and Community Health; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
*Restriction: Must not have completed HLTH105; and non-majors must have 45 or fewer credits. Credit only granted for: HLTH105 or HLTH130. Formerly: HLTH105.* An introduction to the theory and practice of public and community health. The influence of public health professionals on the past, present, and future health status of society through the examination of critical health issues will be described. Programming models, theories and policy development are included. Attendence is expected on the first day of class.

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| 0101 | Donna Howard | Seats (Total: 200) |
| | TuTh 2:00pm - 3:15pm | SPH 1312 |

**HLTH140** **Personal and Community Health**

**HLTH140 Personal and Community Health; (3 credits)** Grade Method: REG/P-F/AUD.
Meaning and significance of physical, mental and social health as related to the individual and to society; important phases of national health problems; constructive methods of promoting health of the individual and the community.

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| 0101 | Kimberly Heffernan<br>TuTh 9:30am - 10:45am | Seats (Total: 200)<br>SPH 1312 |
| 0201 | Kimberly Heffernan<br>TuTh 12:30pm - 1:45pm | Seats (Total: 200)<br>SPH 1312 |

**HLTH200** **Introduction to Research in Community Health**

**HLTH200** *(PermReq)* **Introduction to Research in Community Health; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Permission of SPHL-Behavioral & Community Health department.* An overview of specific components and steps involved in the community health research process. Content includes, foundations of research, sampling, measurement design, and analysis in a community context.

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| 0101 | Carolyn Voorhees<br>MWF 2:00pm - 2:50pm | Seats (Total: 150)<br>BPS 1250 |

**HLTH230** **Introduction to Health Behavior**

**HLTH230 Introduction to Health Behavior; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
*Prerequisite: Must have completed or be concurrently enrolled in HLTH130.*
Psychological, social psychological, and sociological approaches to the following health areas: development of health attitudes and behavior, patient-provider interaction and the organization of health care.

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| 0101 | Cheryl Holt<br>TuTh 3:30pm - 4:45pm | Seats (Total: 200)<br>SPH 1312 |

**HLTH285** **Controlling Stress and Tension**

**HLTH285 Controlling Stress and Tension; (3 credits)** Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
Health problems related to stress and tension. Analysis of causative psychosocial stressors and intervening physiological mechanisms. Emphasis on prevention and control of stress through techniques such as biofeedback, meditation and neuromuscular relaxation.

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| 0101 | Tracy Zeeger<br>TuTh 8:00am - 9:15am | Seats (Total: 200)<br>SPH 1312 |

**HLTH289** **Topical Investigations**

**HLTH289 Topical Investigations; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**HLTH300** **Biostatistics for Public Health Practice**

**HLTH300** *(PermReq)* **Biostatistics for Public Health Practice; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Analytic Reasoning. *Prerequisite: Must have completed or be concurrently enrolled in HLTH200. Restriction: Must be in Community Health program. Credit only granted for: EPIB300 or HLTH300.* An examination of biostatistical concepts and procedures as they relate to contemporary issues in public health. Focus on applications, hands-on-experience, and interpretations of statistical findings in public health research.

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| 0101 | Carolyn Voorhees<br>MWF 10:00am - 10:50am | Seats (Total: 150)<br>SPH 1312 |
| SG91 | Charles Osborne<br>TuTh 8:30am - 9:45am<br>*Restricted to Shady Grove Students in the Public Health Science program* | Seats (Total: 25)<br>Location: TBA |
| SG92 | Charles Osborne<br>TuTh 10:30am - 11:45am<br>*Restricted to Shady Grove Students in the Public Health Science program* | Seats (Total: 25)<br>Location: TBA |

**HLTH301** **Epidemiology for Public Health Practice**

**HLTH301** *(PermReq)* **Epidemiology for Public Health Practice; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: HLTH300 and HLTH200. Restriction: Must be in Community Health program. Credit only granted for: EPIB301 or HLTH301.* An examination of the discipline of epidemiology and its application to public health issues and practices, covering current epidemiological concepts and methods.

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| 0101 | Kerry Green<br>TuTh 9:30am - 10:45am | Seats (Total: 150)<br>JMZ 0220 |

**HLTH371** **Communicating Safety and Health**

**HLTH371 Communicating Safety and Health; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Must be in a major within SPHL-Behavioral & Community Health department.* The communication and evaluation of safety and health information. Emphasis on various types of communications and recipient factors which contribute to their success or failure.

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| 0101 | Kenneth Beck<br>TuTh 9:30am - 10:45am | Seats (Total: 45)<br>SPH 0302 |

**HLTH377** **Human Sexuality**

**HLTH377 Human Sexuality; (3 credits)** Grade Method: REG/P-F/AUD.
The biological and developmental aspects of human sexuality; the psychological and emotional aspects of sexual behavior; sexual identity; the historical, cultural, social, linguistic, legal and moral forces affecting sexual issues; the importance of communication, disclosure and intimacy in interpersonal relationships; and research trends in the area of human sexuality. Restricted to students with greater than 60 credits.

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|---|---|---|
| 0101 | Robin Sawyer<br>TuTh 11:00am - 12:15pm | Seats (Total: 200)<br>SPH 1312 |
| SG91 | Allison Bayley<br>M 2:00pm - 4:40pm | Seats (Total: 60)<br>BLD3 4219 |
| | *Restricted to Fall 2012 BMGT-Shady Grove cohort students majoring in Accounting, International Business, Marketing and to Fall 2011 BMGT-Shady Grove cohort students majoring in Management. Other students may request enrollment on a space available basis. UMCP undergraduate BMGT students are not eligible to enroll at Shady Grove.* | |

**HLTH380** **Peer Education: Alcohol and Other Drugs**
**Contact department for information to register for this course.**

**HLTH381** **Peer Education: Stress Management**

**Contact department for information to register for this course.**

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**HLTH382** **Peer Education: Sexuality and Communication**
**Contact department for information to register for this course.**

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**HLTH383** **Peer Education: Reproductive Health**
**Contact department for information to register for this course.**

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**HLTH386** **Experiential Learning**

**HLTH386** *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: Permission of SPHL-Behavioral & Community Health department. Restriction: Junior standing or higher.*

**Contact department for information to register for this course.**

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**HLTH389** **Topical Investigations**

**HLTH389 Topical Investigations; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**HLTH389V** **Topical Investigations; An International Perspective on Domestic and Sexual Violence**
**Contact department for information to register for this course.**

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**HLTH391** **Principles of Community Health I**

**HLTH391** *(PermReq)* **Principles of Community Health I; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
*Prerequisite: HLTH140, HLTH230, HLTH300, and BSCI202. Corequisite: HLTH301. Restriction: Must be in Community Health program.* Broad overview of community health. Health promotion, consumer health, public health, school health, environmental health, preventive medicine, human biology and the health care system are examined. Each area's contribution to community health is discussed.

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|---|---|---|
| 0101 | Sharon Desmond | Seats (Total: 25) |
| | TuTh 11:00am - 12:15pm | SPH 0305 |

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| 0201 | Sharon Desmond<br>TuTh 12:30pm - 1:45pm | Seats (Total: 25)<br>SPH 0305 |
| 0301 | Robert Feldman<br>M 4:00pm - 6:45pm | Seats (Total: 25)<br>SPH 0308 |
| 0401 | Robert Feldman<br>Th 4:00pm - 6:45pm | Seats (Total: 25)<br>SPH 1302 |

**HLTH420** **Methods and Materials in Health Education**

**HLTH420** *(PermReq)* **Methods and Materials in Health Education; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Oral Communications. *Prerequisite: HLTH301 and HLTH391. Corequisite: HLTH490.* The purpose of this course is to present the interrelationships of curriculum planning, methodology and the selection and use of teaching aids and materials. Special problems associated with health teaching are discussed. Students become familiar with a variety of resources as well as with planning for and presenting demonstration lessons.

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| 0101 | Robin Sawyer<br>TuTh 9:30am - 10:45am | Seats (Total: 20)<br>SPH 0305 |
| 0201 | Martha Reynolds<br>TuTh 11:00am - 12:15pm | Seats (Total: 20)<br>SPH 0307 |
| 0301 | Katherine Sharp<br>M 4:00pm - 6:45pm | Seats (Total: 20)<br>SPH 0307 |
| 0401 | Martha Reynolds<br>TuTh 12:30pm - 1:45pm | Seats (Total: 20)<br>SPH 0307 |
| 0501 | Martha Reynolds<br>TuTh 9:30am - 10:45am | Seats (Total: 20)<br>SPH 0303 |

**HLTH434** **Introduction to Public Health Informatics**

**HLTH434 Introduction to Public Health Informatics; (3 credits)** Grade Method: REG/P-F/AUD.
*Credit only granted for: HLTH434 or HLTH498E. Formerly: HLTH498E.* Provides an overview of the field of public health informatics and the influence of technology on the public's health and well-being. Emphasizes the application of various technologies and computer/internet applications to support public health research and practice, including strategies to address new and emerging threats. Class will meet at the Shady Grove campus.

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|---|---|---|
| SG91 | Sandra Saperstein | Seats (Total: 30) |
| | W 9:00am - 11:50am | BLD3 2206 |
| | *Restricted to Shady Grove Students in the Public Health Science program* | |

**HLTH460** **Minority Health**

**HLTH460 Minority Health; (3 credits)** Grade Method: REG/P-F.
*Prerequisite: HLTH140 or HLTH230; or permission of SPHL-Behavioral & Community Health department. Restriction: Must be in a major within SPHL-Behavioral & Community Health department.* Health concerns of U.S. ethnic minority groups and factors placing them at elevated risk for disease and injury. Health education concepts and strategies to reduce disparities between their health status and the health status of the general population.

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|---|---|---|
| 0101 | Mary Garza | Seats (Total: 40) |
| | W 4:00pm - 6:45pm | PLS 1119 |

**HLTH471** **Women's Health**

**HLTH471 Women's Health; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
*Restriction: Must be in a major within SPHL-Behavioral & Community Health department; or must be in a major within ARHU-Women's Studies department. Also offered as: WMST471. Credit only granted for: HLT471 or WMST471.* The historical, physiological, psychological, and sociological mechanisms which contribute to women's health. Topics will include gynecological concerns and reproductive health; nutrition, exercise; violence; substance use/abuse; and the health of special populations.

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| 0101 | Allison Bayley<br>MWF 9:00am - 9:50am | Seats (Total: 200)<br>SPH 1312 |

**HLTH489** **Field Laboratory Projects and Workshop**

**HLTH489** *(PermReq)* **Field Laboratory Projects and Workshop; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**HLTH490** **Principles of Community Health II**

**HLTH490** *(PermReq)* **Principles of Community Health II; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: HLTH301 and HLTH391. Corequisite: HLTH420.* Students will be involved in the applied aspects of community health education. They will work with specific local community groups, planning, developing, implementing and evaluating a community health project. Health agencies and community health marketing techniques will be investigated.

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| 0101 | Nancy Smith<br>MW 11:00am - 12:15pm | Seats (Total: 22)<br>SPH 0303 |
| 0201 | Nancy Smith<br>MW 12:30pm - 1:45pm | Seats (Total: 22)<br>SPH 0303 |
| 0301 | Tracy Zeeger<br>TuTh 12:30pm - 1:45pm | Seats (Total: 22)<br>SPH 0303 |
| 0401 | Tracy Zeeger<br>TuTh 2:00pm - 3:15pm | Seats (Total: 22)<br>SPH 0303 |
| 0501 | Nancy Smith<br>TuTh 11:00am - 12:15pm | Seats (Total: 22)<br>SPH 0303 |

**HLTH491** **Community Health Internship**

**HLTH491** *(PermReq)* **Community Health Internship; (12 credits)** Grade Method: S-F.
*Prerequisite: HLTH490. Restriction: Must be in Community Health program.*
Integrating theory with practice in a community health setting. Class will meet on Wednesdays ( January 23, February 13, April 3, and May 1) in PLS1140 from 1:00-3:00pm.

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|---|---|---|
| 0101 | Anne Anderson-Sawyer<br>W 1:00pm - 3:00pm<br>Contact instructor or department for details. | Seats (Total: 100)<br>Location: TBA |

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**HLTH498A** **Special Topics in Health; Massage Therapy & Stress**

**HLTH498A Special Topics in Health: Massage Therapy & Stress; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Geoffrey Gilbert<br>M 3:00pm - 5:30pm | Seats (Total: 30)<br>SPH 0107 |

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**HLTH498O** **Special Topics in Health; Health Opinion Leaders**
**Contact department for information to register for this course.**

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**HLTH498P** **Special Topics in Health; Peer Mentors**
**Contact department for information to register for this course.**

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**HLTH653** **Quantitative Research Methods II in Public Health**

**HLTH653 Quantitative Research Methods II in Public Health; (3 credits)** Grade Method: REG.
*Prerequisite: HLTH652. Restriction: Must be in a major within SPHL-Behavioral & Community Health department. Credit only granted for: HLTH653 or HLTH688T. Formerly: HLTH688T.* Intermediate and advanced statistics and procedures in health-related research for doctoral students with the focus on applications of these statistical methodological methods to public health research.

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| 0101 | Raul Cruz-Cano<br>M 7:00pm - 9:45pm | Seats (Total: 15)<br>SPH 0301 |

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**HLTH665** **Health Behavior I**

**HLTH665 Health Behavior I; (3 credits)** Grade Method: REG/AUD.
The psychological, social psychological, and sociological theories of health behavior. The relation of health knowledge, beliefs, attitudes, intentions, and behavior to preventive, illness, sick-role, and health utilization behaviors. For CHED and PCHL majors only.

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|---|---|---|
| 0101 | Robert Feldman | Seats (Total: 25) |
| | W 4:00pm - 6:45pm | SPH 0301 |

**HLTH670** **Public Health Informatics and Communications**

**HLTH670 Public Health Informatics and Communications; (3 credits)** Grade Method: REG.
*Restriction: Must be in MPH: Community Health Education (Master's) program; or must be in Ph.D.: Public and Community Health (Doctoral) program. Credit only granted for: HLTH670 or HLTH688M. Formerly: HLTH688M.* Explores the use of current technology and communication techniques in the areas of public health research, planning, intervention and evaluation.

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| 0101 | Linda Aldoory | Seats (Total: 25) |
| | Tu 4:00pm - 6:45pm | SPH 1302 |

**HLTH688** **Special Problems in Health Education**

**HLTH688** *(PermReq)* **Special Problems in Health Education; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**HLTH712** **Applied Research Methods in Behavioral and Community Health**

**HLTH712 Applied Research Methods in Behavioral and Community Health; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: HLTH710.* Designed to build on the research skills obtained in HLTH710 and other fundamental research methods and statistics courses. Methods and problems that are commonly encountered in health education research will be discussed including examination of actual research studies. Complex behavioral research issues will be addressed with existing research data sets. With these data sets, students will develop an analytic plan and conduct data analysis.

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| 0101 | Bradley Boekeloo<br>Th 4:00pm - 6:45pm | Seats (Total: 15)<br>SPH 0305 |

**HLTH780** **Community Health**

**HLTH780 Community Health; (3 credits)** Grade Method: REG/AUD.
*Credit only granted for: HLTH740 or HLTH780.* Overview of public health organizations, programs, and policies, including their structure and function, and their ability to change with changing community health needs. For CHED and PCHL majors only.

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| 0101 | Sharon Desmond<br>M 4:00pm - 6:45pm | Seats (Total: 25)<br>SPH 1301 |

**HLTH785** **Internship in Public Health**

**HLTH785** *(PermReq)* **Internship in Public Health; (3 credits)** Grade Method: REG.
*Prerequisite: HLTH665, HLTH775, and HLTH780; or permission of SPHL-Behavioral & Community Health department.* Internship and seminar providing an opportunity to apply previously aquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

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| 0101 | Anne Anderson-Sawyer<br>W 7:00pm - 9:00pm<br>Contact instructor or department for details. | Seats (Total: 25)<br>SPH 0303 |

**HLTH786** **Capstone Project in Public Health**

**HLTH786** *(PermReq)* **Capstone Project in Public Health; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: Must have completed all required coursework; and permission of SPHL-Behavioral & Community Health department. Restriction: Must be in a major within SPHL-Behavioral & Community Health department.* Capstone experience providing opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

**Contact department for information to register for this course.**

**HLTH799** **Master's Thesis Research**

**HLTH799** *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**HLTH898** **Pre-Candidacy Research**

**HLTH898** *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**HLTH899** **Doctoral Dissertation Research**

**HLTH899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

## HONR Honors Spring 2013

**HONR208C** **Honors Seminar: Are We Rome?**

**HONR208C Honors Seminar: Are We Rome?; (3 credits)** Grade Method: REG. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities; Signature Courses - I-Series.

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|---|---|---|
| 0101 | Gregory Staley | Seats (Total: 20) |
| | MW 3:30pm - 4:45pm | MMH 0108 |

**HONR208L** **Justice Matters: Law, Literature, and Film**

**HONR208L Justice Matters: Law, Literature, and Film; (3 credits)** Grade Method: REG. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.

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|---|---|---|
| 0101 | Sara Schotland | Seats (Total: 20) |
| | TuTh 9:30am - 10:45am | EGR 1102 |

**HONR208P** **Tolkien: Mythmaker for our Times**

**HONR208P Tolkien: Mythmaker for our Times; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.

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|---|---|---|
| 0101 | Michelle Butler<br>MW 11:00am - 12:15pm | Seats (Total: 20)<br>JMP 2202 |

**HONR208R** **Leonardo and the Science of Art**

**HONR208R Leonardo and the Science of Art; (3 credits)** Grade Method: REG. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.

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|---|---|---|
| 0101 | Meredith Gill<br>Th 2:00pm - 4:30pm | Seats (Total: 21)<br>ASY 4213 |

**HONR208Z** **American Tensions**

**HONR208Z American Tensions; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities.

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|---|---|---|
| 0101 | Sylvia O'Sullivan<br>TuTh 12:30pm - 1:45pm | Seats (Total: 20)<br>ANA 0103 |

**HONR209G** **Honors Seminar; Elements of Drawing for Non-Majors**

**HONR209G Honors Seminar: Elements of Drawing for Non-Majors; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.

| | | |
|---|---|---|
| 0101 | Patrice Kehoe<br>TuTh 12:30pm - 3:00pm | Seats (Total: 18)<br>ASY 2315 |

**HONR209N** **Imagining Ecological Crisis 50 Years After Silent Spring; Imagining Ecological Crisis 50 Years After Silent Spring**

**HONR209N Imagining Ecological Crisis 50 Years After Silent Spring: Imagining Ecological Crisis 50 Years After Silent Spring; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.

| | | |
|---|---|---|
| 0101 | Jesse Taylor | Seats (Total: 20) |
| | TuTh 12:30pm - 1:45pm | TWS 3136 |

**HONR209P** **Honors Seminar; Speaking to the Brain: Using Psychological Principles to Give Effective Presentations**

**HONR209P Honors Seminar: Speaking to the Brain: Using Psychological Principles to Give Effective Presentations; (3 credits)** Grade Method: REG.

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|---|---|---|
| 0101 | Thomas Carlson | Seats (Total: 20) |
| | Tu 4:00pm - 6:30pm | BPS 1234 |

**HONR209R** **Mr. Shakespeare Goes to Hollywood**

**HONR209R Mr. Shakespeare Goes to Hollywood; (3 credits)** Grade Method: REG. CORE Literature (HL) Course.
Cannot take both HONR209R and ENGL206 for credit.

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|---|---|---|
| 0101 | Kimberly Coles | Seats (Total: 20) |
| | Class time/details on ELMs | ONLINE |

**HONR209V** **The Future**

**HONR209V The Future; (3 credits)** Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - History and Social Sciences.

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|---|---|---|
| 0101 | Eric Zakim | Seats (Total: 20) |
| | TuTh 2:00pm - 3:15pm | HBK 1108 |

**HONR209W** **War Stories: Examining the War Experience through Personal Narratives, Fiction, and Film.**

**HONR209W War Stories: Examining the War Experience through Personal Narratives, Fiction, and Film.; (3 credits)** Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.

| | | |
|---|---|---|
| 0101 | Sara Schotland | Seats (Total: 20) |
| | TuTh 11:00am - 12:15pm | EGR 1108 |

**HONR209X** **Honors Seminar; Science Fiction Feminism**

**HONR209X Honors Seminar: Science Fiction Feminism; (3 credits)** Grade Method: REG.

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|---|---|---|
| 0101 | Katie King | Seats (Total: 20) |
| | TuTh 11:00am - 12:15pm | JMZ 2123 |

**HONR209Z** **Popular Music, Then and Now**

**HONR209Z Popular Music, Then and Now; (3 credits)** Grade Method: REG. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.

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|---|---|---|
| 0101 | Richard King | Seats (Total: 20) |
| | M 3:30pm - 6:00pm | PAC 3168 |

**HONR219N** **Honors Seminar: I Know What You're Thinking: Language Acquisition and Mind Development**

**HONR219N Honors Seminar: I Know What You're Thinking: Language Acquisition and Mind Development; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.

| | | |
|---|---|---|
| 0101 | Erin Eaker | Seats (Total: 20) |
| | MW 2:00pm - 3:15pm | WDS 1130 |

**HONR219O** **Honors Seminar: The Mathematics of Games and Puzzles**

**HONR219O Honors Seminar: The Mathematics of Games and Puzzles; (3 credits)** Grade Method: REG. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Fundamental Studies - Analytic Reasoning.

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|---|---|---|
| 0101 | Justin Wyss-Gallifent | Seats (Total: 20) |
| | TuTh 2:00pm - 3:15pm | PLS 1162 |

**HONR219T** **Honors Seminar: Surviving Natural Disasters: Learning from Hurricane Katrina, Big Earthquakes, and Other Natural Hazards**

**HONR219T Honors Seminar: Surviving Natural Disasters: Learning from Hurricane Katrina, Big Earthquakes, and Other Natural Hazards; (3 credits)** Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

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|---|---|---|
| 0101 | Lewis Link<br>M 2:00pm - 4:30pm | Seats (Total: 20)<br>HBK 1108 |

**HONR219Y** **Merging the Multiple Me's: Developmental Origins of the Integrated Adult Self**

**HONR219Y Merging the Multiple Me's: Developmental Origins of the Integrated Adult Self; (3 credits)** Grade Method: REG. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

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|---|---|---|
| 0101 | Allan Wigfield<br>TuTh 2:00pm - 3:15pm | Seats (Total: 20)<br>EDU 3236 |

**HONR219Z** **Apocalypse Then and Now: World Traditions of the End Times**

**HONR219Z Apocalypse Then and Now: World Traditions of the End Times; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities.

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|---|---|---|
| 0101 | John Carlson<br>Tu 7:00pm - 9:30pm | Seats (Total: 20)<br>LAP 0124 |
| 0201 | John Carlson<br>W 7:00pm - 9:30pm | Seats (Total: 20)<br>LAP 0124 |

**HONR228T** **Journalism and Peace**

**HONR228T Journalism and Peace; (3 credits)** Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course.

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|---|---|---|
| 0101 | Colman McCarthy<br>M 12:00pm - 2:30pm | Seats (Total: 20)<br>ELL 0108 |

**HONR228V** **Warfare and Society in Greece, Rome, and Byzantium**

**HONR228V Warfare and Society in Greece, Rome, and Byzantium; (3 credits)** Grade Method: REG. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.

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|---|---|---|
| 0101 | Denis Sullivan | Seats (Total: 20) |
| | TuTh 3:30pm - 4:45pm | ASY 3219 |

**HONR229O** **Ancient Rome in Historical Fiction: Narratives, Sources and Screen Adaptations**

**HONR229O Ancient Rome in Historical Fiction: Narratives, Sources and Screen Adaptations; (3 credits)** Grade Method: REG. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.

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|---|---|---|
| 0101 | Judith Hallett | Seats (Total: 20) |
| | TuTh 3:00pm - 4:40pm | WDS 1127 |

**HONR238A** **Honors Seminar: Backstage in the Nation's Capital: The Washington D.C. Theater Experience**

**HONR238A Honors Seminar: Backstage in the Nation's Capital: The Washington D.C. Theater Experience; (3 credits)** Grade Method: REG. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.

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|---|---|---|
| 0101 | Korey Rothman | Seats (Total: 20) |
| | Tu 2:00pm - 4:30pm | LEF 1221 |

**HONR238C** **The Future of Energy and Climate Policy: Money, Influence, and the Competing Strategies to Influence Power**

**HONR238C The Future of Energy and Climate Policy: Money, Influence, and the Competing Strategies to Influence Power; (3 credits)** Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Scholarship in Practice.

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|---|---|---|
| 0101 | Tyson Slocum | Seats (Total: 20) |
| | W 3:00pm - 5:30pm | PLS 1117 |

**HONR238D** **Honors Seminar: The Contemporary American Musical Theatre: From Hair to Hairspray -- and Beyond**

**HONR238D Honors Seminar: The Contemporary American Musical Theatre: From Hair to Hairspray; (3 credits)** Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities.

| | | |
|---|---|---|
| 0101 | Korey Rothman<br>MW 1:00pm - 2:15pm | Seats (Total: 20)<br>JMZ 2207 |
| 0201 | Korey Rothman<br>MW 3:00pm - 4:15pm | Seats (Total: 20)<br>JMZ 2120 |

**HONR238E** **Honors Seminar; Science in the News and the News in Science**

**HONR238E Honors Seminar: Science in the News and the News in Science; (3 credits)** Grade Method: REG.

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|---|---|---|
| 0101 | David Inouye<br>Th 3:00pm - 5:50pm | Seats (Total: 20)<br>JMP 1109 |

**HONR238W** **Honors Seminar: Physics for Decision Makers: The Global Energy Crisis**

**HONR238W Honors Seminar: Physics for Decision Makers: The Global Energy Crisis; (3 credits)** Grade Method: REG. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.

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|---|---|---|
| 0101 | Douglas Hamilton<br>M 3:00pm - 5:30pm | Seats (Total: 20)<br>CSS 2416 |

**HONR239A** **Honors Seminar: Constructing and De-Constructing the Colonial Chesapeake**

**HONR239A Honors Seminar: Constructing and De-Constructing the Colonial Chesapeake; (3 credits)** Grade Method: REG. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

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|---|---|---|
| 0101 | Dennis Pogue, Lori Murphy<br>W 2:00pm - 4:30pm | Seats (Total: 15)<br>ARC 1117 |

**HONR239B** **Honors Seminar: New York City and the American Dream**

**HONR239B Honors Seminar: New York City and the American Dream; (3 credits)** Grade Method: REG. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.

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|---|---|---|
| 0101 | Ingrid Satelmajer | Seats (Total: 20) |
| | MW 4:00pm - 5:15pm | JMZ 2125 |

**HONR239C** **Honors Seminar: The Creative Process in Dance**

**HONR239C Honors Seminar: The Creative Process in Dance; (3 credits)** Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities.

| | | |
|---|---|---|
| 0101 | Anne Warren | Seats (Total: 20) |
| | MW 2:00pm - 3:15pm | ANA 0120 |

**HONR239O** **Honors Seminar: Great Physicists of the 20th Century**

**HONR239O Honors Seminar: Great Physicists of the 20th Century; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.

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|---|---|---|
| 0101 | Oscar Greenberg | Seats (Total: 20) |
| | TuTh 10:00am - 11:15am | PHY 1304 |

**HONR239R** **Privacy Versus In-Your-Face Big Government**

**HONR239R Privacy Versus In-Your-Face Big Government; (3 credits)** Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Scholarship in Practice.

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|---|---|---|
| 0101 | James Purtilo | Seats (Total: 20) |
| | TuTh 3:30pm - 4:45pm | CSI 3120 |

**HONR249E** **Honors Seminar: Modern and Postmodern Music: Trends, Styles, Issues, and Ideas**

**HONR249E Honors Seminar: Modern and Postmodern Music: Trends, Styles, Issues, and Ideas; (3 credits)** Grade Method: REG. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.

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|---|---|---|
| 0101 | James Fry | Seats (Total: 20) |
| | TuTh 3:30pm - 4:45pm | PAC 2168 |

**HONR249L** **The Historical Development of London**
**Contact department for information to register for this course.**

**HONR258J** **Honors Seminar: Supreme Law: The Constitution, Morality, and the Courts**

**HONR258J Honors Seminar: Supreme Law: The Constitution, Morality, and the Courts; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.

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|---|---|---|
| 0101 | Susan Dwyer | Seats (Total: 20) |
| | TuTh 12:30pm - 1:45pm | ANA 0120 |

**HONR258W** **Honors Seminar: Exploring Homophobia: Demystifying Lesbian, Gay, Bisexual, and Transgender Issues**

**HONR258W Honors Seminar: Exploring Homophobia: Demystifying Lesbian, Gay, and Bisexual Issues; (3 credits)** Grade Method: REG. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.

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|---|---|---|
| 0101 | Robyn Zeiger | Seats (Total: 20) |
| | MW 10:00am - 11:15am | SPH 0307 |

**HONR268L** **Honors Seminar: United States Immigration Issues**

**HONR268L Honors Seminar: United States Immigration Issues; (3 credits)** Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies; Signature Courses - I-Series.

| | | |
|---|---|---|
| 0101 | Dorith Grant-Wisdom | Seats (Total: 20) |
| | TuTh 11:00am - 12:15pm | TWS 3252 |

**HONR268W** **Honors Seminar: Disability Studies: Stories, Law, and Social Policy**

**HONR268W Honors Seminar: Disability Studies: Stories, Law, and Social Policy; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences.

| | | |
|---|---|---|
| 0101 | Sara Schotland | Seats (Total: 20) |
| | Tu 2:00pm - 4:30pm | PLS 1158 |

**HONR269E** **Honors Seminar: Exploring Key Issues of Globalization**

**HONR269E Honors Seminar: Exploring Key Issues of Globalization; (3 credits)** Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies; Signature Courses - I-Series.

| | | |
|---|---|---|
| 0101 | Dorith Grant-Wisdom | Seats (Total: 20) |
| | TuTh 2:00pm - 3:15pm | TWS 3252 |

**HONR269T** **Honors Seminar: Understanding U.S. Foreign Policy toward Afghanistan**

**HONR269T Honors Seminar: Understanding U.S. Foreign Policy toward Afghanistan; (3 credits)** Grade Method: REG. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

| | | |
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| 0101 | Temim Nusraty | Seats (Total: 20) |
| | Th 6:30pm - 9:00pm | ANA 0120 |

**HONR278C** **Honors Seminar: Power, Ritual and Society in Western History**

**HONR278C Honors Seminar: Power, Ritual and Society in Western History; (3 credits)** Grade Method: REG. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

| | | |
|---|---|---|
| 0101 | Alejandro Caneque | Seats (Total: 20) |
| | TuTh 12:30pm - 1:45pm | TLF 2103 |

**HONR278D** **National Security Dilemmas**

**HONR278D National Security Dilemmas; (3 credits)** Grade Method: REG. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

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|---|---|---|
| 0101 | Daniel Rosenthal | Seats (Total: 20) |
| | M 7:00pm - 9:30pm | ANA 0120 |

**HONR278E** **The Internet, Democracy, and Dictatorship**

**HONR278E The Internet, Democracy, and Dictatorship; (3 credits)** Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

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|---|---|---|
| 0101 | Sarah Oates | Seats (Total: 20) |
| | Tu 2:00pm - 4:30pm | KNI 3202 |

**HONR278F** **Toward an Adaptable, Reusable, and Living Architecture**

**HONR278F Toward an Adaptable, Reusable, and Living Architecture; (3 credits)** Grade Method: REG. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

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|---|---|---|
| 0101 | Garth Rockcastle | Seats (Total: 20) |
| | TuTh 5:00pm - 6:15pm | ASY 3217 |

**HONR278J** **The Posthuman Imagination**

**HONR278J The Posthuman Imagination; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.

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|---|---|---|
| 0101 | Lee Konstantinou | Seats (Total: 20) |
| | MW 12:30pm - 1:45pm | TWS 0221 |

**HONR278K** **Evolutionary Processes in Health and Medicine**

**HONR278K Evolutionary Processes in Health and Medicine; (3 credits)** Grade Method: REG. CORE Life Science (LS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.

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|---|---|---|
| 0101 | Charles Delwiche<br>TuTh 2:00pm - 3:15pm | Seats (Total: 20)<br>HJP 1216 |

**HONR279E** **Honors Seminar: Languages of Europe**

**HONR279E Honors Seminar: Languages of Europe; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.

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|---|---|---|
| 0101 | Robert De Keyser<br>TuTh 3:30pm - 4:45pm | Seats (Total: 20)<br>JMZ 2123 |

**HONR288A** **Honors Seminar: Representation and Public Policy**

**HONR288A Honors Seminar: Representation and Public Policy; (3 credits)** Grade Method: REG. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.

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|---|---|---|
| 0101 | David Karol<br>TuTh 12:30pm - 1:45pm | Seats (Total: 20)<br>TYD 2102 |

**HONR288L** **Medical Devices: Applied Ethics and Public Policy**

**HONR288L Medical Devices: Applied Ethics and Public Policy; (3 credits)** Grade Method: REG. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - Scholarship in Practice.

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| 0101 | Glenn Rahmoeller<br>TuTh 2:00pm - 3:15pm | Seats (Total: 20)<br>PLS 1180 |

**HONR288N** **Understanding the Global Economic Environment**

**HONR288N Understanding the Global Economic Environment; (3 credits)** Grade Method: REG. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

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|---|---|---|
| 0101 | Curtis Grimm<br>M 5:00pm - 7:30pm | Seats (Total: 20)<br>VMH 1415 |

**HONR288P** **Honors Seminar: Why Do Things Burn?**

**HONR288P Honors Seminar: Why Do Things Burn?; (3 credits)** Grade Method: REG. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
To register for this class, you must not be an Engineering major.

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|---|---|---|
| 0101 | Marino diMarzo | Seats (Total: 20) |
| | TuTh 2:00pm - 3:15pm | JMP 3106B |

**HONR288Q** **Honors Seminar: The Psychology of Social Networking and Social Computing**

**HONR288Q Honors Seminar: The Psychology of Social Networking and Social Computing; (3 credits)** Grade Method: REG. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

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|---|---|---|
| 0101 | Kent Norman | Seats (Total: 20) |
| | MW 2:30pm - 3:45pm | PLS 1129 |

**HONR288X** **Honors Seminar; Sustaining the Wooded Hillock: A Living Classroom**

**HONR288X Honors Seminar: Sustaining the Wooded Hillock: A Living Classroom; (3 credits)** Grade Method: REG.

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|---|---|---|
| 0101 | Mary Shea, Marla McIntosh | Seats (Total: 20) |
| | Tu 2:00pm - 5:00pm | RGC 1111 |

**HONR289D** **Honors Seminar: Bodies, Borders and Citizenship: Historical and Contemporary Perspectives on American Immigration**

**HONR289D Honors Seminar: Bodies, Borders and Citizenship: Historical and Contemporary Perspectives on American Immigration; (3 credits)** Grade Method: REG. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

| | | |
|---|---|---|
| 0101 | Sonya Michel | Seats (Total: 20) |
| | M 1:00pm - 3:30pm | TLF 2103 |

**HONR289F** **Honors Seminar: Conflict in America**

**HONR289F Honors Seminar: Conflict in America; (3 credits)** Grade Method: REG. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

| | | |
|---|---|---|
| 0101 | Edwin Smead | Seats (Total: 20) |
| | W 4:00pm - 6:30pm | KEY 0123 |

**HONR289L** **Honors Seminar: Biofuels: Fact or Fiction?**

**HONR289L Honors Seminar: Biofuels: Fact or Fiction?; (3 credits)** Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.
CORE Interdisciplinary & Emerging Issues (IE) Course. Gen Ed: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.

| | | |
|---|---|---|
| 0101 | Steven Hutcheson | Seats (Total: 20) |
| | M 4:00pm - 6:40pm | PLS 1162 |

**HONR289O** **Honors Seminar Digital Markets**

**HONR289O Honors Seminar Digital Markets; (3 credits)** Grade Method: REG. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Scholarship in Practice.

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|---|---|---|
| 0101 | Joseph Bailey | Seats (Total: 20) |
| | W 5:00pm - 7:30pm | VMH 1415 |

**HONR289P** **Honors Seminar; How Do Innovators Think?**

**HONR289P Honors Seminar: How Do Innovators Think?; (3 credits)** Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.
Credit will be granted for only one of the following: BMGT289B or HONR289P. The evening meetings of this course will meeting on 1/31, 2/14, 2/28, 3/28, 4/11, and 4/25. Daytime meetings will be held every week.

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|---|---|---|
| 0101 | Mark Wellman | Seats (Total: 20) |
| | Th 2:00pm - 3:25pm | VMH 3330H |
| | Th 6:30pm - 9:15pm | VMH 1212 |

**HONR289Y** **Novels and Who We Are**

**HONR289Y Novels and Who We Are; (3 credits)** Grade Method: REG. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.

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|---|---|---|
| 0101 | Sylvia O'Sullivan | Seats (Total: 20) |
| | TuTh 11:00am - 12:15pm | ANA 0103 |

**HONR348A** **Advanced Honors Seminar; Digital Cinema: Theory and Practice**

**HONR348A Advanced Honors Seminar: Digital Cinema: Theory and Practice; (3 credits)** Grade Method: REG.

| | | |
|---|---|---|
| 0101 | William Lawson | Seats (Total: 20) |
| | TuTh 5:00pm - 6:15pm | KEY 0124 |

**HONR348J** **Advanced Honors Seminar; Contemporary Social Issues**

**HONR348J Advanced Honors Seminar: Contemporary Social Issues; (3 credits)** Grade Method: REG. GenEd: Diversity - Cultural Competency.

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|---|---|---|
| 0101 | Edwin Smead | Seats (Total: 20) |
| | M 4:00pm - 6:30pm | ANA 0120 |

**HONR348M** **Advanced Honors Seminar; Stock Market**

**HONR348M Advanced Honors Seminar: Stock Market; (3 credits)** Grade Method: REG.

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|---|---|---|
| 0101 | Eric Wish | Seats (Total: 20) |
| | Th 2:00pm - 4:50pm | ANA 0120 |

**HONR349I** **Honors Colloquium; Leading and Investing in Social Change: Redefining and Experimenting with Philanthropy**

**HONR349I Honors Colloquium: Leading and Investing in Social Change: Redefining and Experimenting with Philanthropy; (3 credits)** Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

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|---|---|---|
| 0101 | Noah Drezner<br>Th 2:00pm - 4:30pm | Seats (Total: 25)<br>TLF 1126 |

**HONR349P** **Honors Colloquium; Sports Media Today**

**HONR349P Honors Colloquium: Sports Media Today; (3 credits)** Grade Method: REG/P-F/AUD.

| | | |
|---|---|---|
| 0101 | Chartese Burnett<br>Th 6:15pm - 9:15pm | Seats (Total: 5)<br>KNI 1105 |

**HONR349V** **Honors Colloquium; Dubai: Global Immersion Experience**
**Contact department for information to register for this course.**

**HONR358B** **Honors Practicum**
**Contact department for information to register for this course.**

**HONR358C** **Honors Practicum**
**Contact department for information to register for this course.**

**HONR359B** **Honors Workshop; Alternatives to Violence**

**HONR359B Honors Workshop: Alternatives to Violence; (3 credits)** Grade Method: S-F.

| | | |
|---|---|---|
| 0101 | Colman McCarthy<br>M 2:30pm - 5:00pm | Seats (Total: 20)<br>ELL 0108 |

**HONR359C** **Honors Workshop; Big History: Earth, Life, and Sustainability**

**HONR359C Honors Workshop: Big History: Earth, Life, and Sustainability; (1 credit)** Grade Method: S-F.

| | | |
|---|---|---|
| 0101 | Raghu Murtugudde<br>Tu 11:00am - 12:00pm | Seats (Total: 20)<br>PLS 1172 |

**HONR379** **Honors Independent Study**
**Contact department for information to register for this course.**

**HONR379A** **Honors Independent Study**
**Contact department for information to register for this course.**

**HONR379W** **Honors Independent Study; Writing Internship: Maryland General Assembly Pre-Professional Writing Internship**

**HONR379W** *(PermReq)* **Honors Independent Study: Writing Internship: Maryland General Assembly Pre-Professional Writing Internship; (1-6 credits)** Grade Method: REG.
Also offered as ENGL388M.

| | | |
|---|---|---|
| 0101 | Thomas Lowderbaugh | Seats (Total: 30) |
| | Contact instructor or department for details. | |

**HONR379Z** **Honors Independent Study; Further Implications of Knowledge**
**Contact department for information to register for this course.**

**HONR388** **Honors Thesis or Project**
**Contact department for information to register for this course.**

# INAG Institute of Applied Agriculture Spring 2013

**INAG101** **Computer Applications**

**INAG101 Computer Applications; (3 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Roy Walls | Seats (Total: 20) |
| | MW 10:00am - 11:50am | ANS 0509 |

**INAG104** **Agricultural Mathematics**

**INAG104 Agricultural Mathematics; (3 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Raymond Gless | Seats (Total: 20) |
| | TuTh 9:30am - 10:45am | JUL 1123 |

**INAG105** **Soils and Fertilizers**

**INAG105 Soils and Fertilizers; (3 credits)** Grade Method: REG.

| | | | |
|---|---|---|---|
| 0101 | Raymond Gless<br>MW 1:00pm - 1:50pm<br>F 1:00pm - 2:50pm | Seats (Total: 25)<br>JUL 1123<br>HJP 0210 | <br><br>Lab |

**INAG106** **Pesticide Use and Safety**

**INAG106 Pesticide Use and Safety; (2 credits)** Grade Method: REG.

| | | |
|---|---|---|
| 0101 | Ronald Myers<br>W 3:00pm - 4:50pm | Seats (Total: 50)<br>JUL 1123 |

**INAG110** **Oral Communication**

**INAG110 Oral Communication; (3 credits)** Grade Method: REG/AUD. GenEd: Fundamental Studies - Oral Communications.
*Credit only granted for: COMM107, COMM200, INAG110, JOUR130, THET285.* A study of how perception, self-concept, verbal and nonverbal communications affect the communication process as it emerges in the work place. The course provides skill training in speech writing, public speaking, group communication, interpersonal communication, listening, and responding.

| | | |
|---|---|---|
| 0101 | Nina Latassa<br>MWF 9:00am - 9:50am | Seats (Total: 22)<br>PLS 1117 |
| 0201 | Edward Priola<br>MWF 10:00am - 10:50am | Seats (Total: 22)<br>CHE 2136 |
| 0301 | Anthony Pagnotti<br>MWF 10:00am - 10:50am | Seats (Total: 22)<br>MTH 1311 |
| 0401 | Nina Latassa<br>MWF 11:00am - 11:50am | Seats (Total: 22)<br>SYM 0209 |
| 0501 | Edward Priola<br>MWF 12:00pm - 12:50pm | Seats (Total: 22)<br>PLS 1146 |
| 0601 | Anthony Pagnotti<br>MWF 1:00pm - 1:50pm | Seats (Total: 22)<br>PLS 1176 |

| | | |
|---|---|---|
| 0701 | Nina Latassa<br>TuTh 9:30am - 10:45am | Seats (Total: 22)<br>JMP 1202 |
| 0801 | Anthony Pagnotti<br>TuTh 9:30am - 10:45am | Seats (Total: 22)<br>EGR 1108 |
| 0901 | Edward Priola<br>TuTh 11:00am - 12:15pm | Seats (Total: 22)<br>CHE 2145 |
| 1001 | Nina Latassa<br>TuTh 12:30pm - 1:45pm | Seats (Total: 22)<br>JMP 1109 |
| 1101 | Anthony Pagnotti<br>TuTh 12:30pm - 1:45pm | Seats (Total: 22)<br>EGR 3114 |
| 1201 | Edward Priola<br>TuTh 2:00pm - 3:15pm | Seats (Total: 22)<br>BPS 1232 |

**INAG199** **Special Problems**

**INAG199 Special Problems; (1-3 credits)** Grade Method: REG/P-F/AUD.

| | | |
|---|---|---|
| 0101 | Justin Mathias<br>Contact instructor or department for details. | Seats (Total: 5) |
| 0201 | Raymond Gless<br>Contact instructor or department for details. | Seats (Total: 5) |
| 0301 | Kenneth Ingram<br>Contact instructor or department for details. | Seats (Total: 5) |
| 0401 | Roy Walls<br>Contact instructor or department for details. | Seats (Total: 5) |
| 0501 | Ellen Polishuk<br>Contact instructor or department for details. | Seats (Total: 5) |
| 0601 | Glori Hyman<br>Contact instructor or department for details. | Seats (Total: 5) |

**INAG204** **Business Management**

**INAG204 Business Management; (3 credits)** Grade Method: REG.

| | | | |
|---|---|---|---|
| 0101 | Raymond Gless | Seats (Total: 30) | |
| | MWF 12:00pm - 12:50pm | JUL 1123 | |

**INAG206** **Business Law**

**INAG206 Business Law; (3 credits)** Grade Method: REG.

| | | | |
|---|---|---|---|
| 0101 | Glori Hyman, Michael Grady | Seats (Total: 30) | |
| | W 5:30pm - 8:20pm | JUL 1123 | |

**INAG207** **Power Machinery**

**INAG207 Power Machinery; (3 credits)** Grade Method: REG.

| | | | |
|---|---|---|---|
| 0101 | Roy Walls | Seats (Total: 14) | |
| | TuTh 9:30am - 10:45am | ANS 0504 | |
| | M 3:00pm - 4:50pm | ANS 0504 | Lab |

**INAG213** **Crop Production Practices**

**INAG213 Crop Production Practices; (3 credits)** Grade Method: REG/AUD.

| | | | |
|---|---|---|---|
| 0101 | Ellen Polishuk | Seats (Total: 15) | |
| | TuTh 12:30pm - 1:45pm | JUL 1105 | |

**INAG214** **Agronomic Principles for Golf and Turf Management**

**INAG214 Agronomic Principles for Golf and Turf Management; (3 credits)** Grade Method: REG.

| | | | |
|---|---|---|---|
| 0101 | Justin Mathias | Seats (Total: 25) | |
| | MW 2:00pm - 2:50pm | JUL 1123 | |
| | Th 3:00pm - 4:50pm | JUL 1123 | Lab |

**INAG224** **Greenhouse and Production Management**

**INAG224 Greenhouse and Production Management; (3 credits)** Grade Method: REG/AUD.

| | | | |
|---|---|---|---|
| 0101 | Kenneth Ingram | Seats (Total: 15) | |
| | TuTh 11:00am - 12:15pm | JUL 1123 | |
| | Tu 2:00pm - 3:00pm | Location: TBA | Lab |

**INAG244** **Herbaceous Annuals and Perennials**

**INAG244 Herbaceous Annuals and Perennials 3; (3 credits)** Grade Method: REG/P-F/AUD.
Credit will be granted for PLSC244, PLSC489A, or INAG244. Formerly: PLSC 489A.

| | | | |
|---|---|---|---|
| 0101 | Kenneth Ingram | Seats (Total: 20) | |
| | TuTh 12:30pm - 1:45pm | JUL 1123 | |
| | Th 2:00pm - 2:50pm | JUL 1123 | Lab |

**INAG248** **Topics in Sustainable Agriculture**

**INAG248 Topics in Sustainable Agriculture; (1 credit)** Grade Method: REG/P-F/AUD.

| | | |
|---|---|---|
| 0101 | Ellen Polishuk | Seats (Total: 20) |
| | Tu 6:00pm - 7:50pm | JUL 1123 |

**INAG299A** **Supervised Work Experience; Internship I**

**INAG299A Supervised Work Experience: Internship I; (1 credit)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**INAG299B** **Supervised Work Experience; Internship II**

**INAG299B Supervised Work Experience: Internship II; (1 credit)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# INFM Information Management Spring 2013

**INFM600** **Information Environments**

**INFM600 Information Environments; (3 credits)** Grade Method: REG/AUD.
Role and function of information in organizations. Organizational environment and its influence on internal and external communication, organizational structure and management, organizational culture, information flow, organizational identity. Shared mental models and group decision ma king. Differences among types of organizations. Information policy.

| | | |
|---|---|---|
| SG01 | Jessica Vitak | Seats (Total: 30) |
| | W 6:00pm - 8:45pm | BLD3 4226 |

**INFM603** **Information Technology and Organizational Context**

**INFM603 Information Technology and Organizational Context; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must not have completed LBSC690.* Application of communication and information technologies to support work processes, including technology-enhanced communication networks, computer-supported collaborative work, decision-support systems, interactive systems, and systems analysis. Acquisition of information systems and their integration into the organization.

| | | |
|---|---|---|
| SG01 | Nelson Padua-Perez | Seats (Total: 30) |
| | Th 6:00pm - 8:45pm | BLD3 3240 |

**INFM605** **Users and Use Context**

**INFM605 Users and Use Context; (3 credits)** Grade Method: REG/AUD.
Use of information by individuals. Nature of information. Information behavior and mental models. Characteristics of problems, task analysis, problem solving, and decision making. Methods for determining information behavior and user needs. Information access. Information technology as a tool in information use.

| | | |
|---|---|---|
| 0101 | Vera Rhoads | Seats (Total: 30) |
| | Th 6:00pm - 8:45pm | HBK 0105 |

**INFM612** **Management of Information Programs and Services**

**INFM612 Management of Information Programs and Services; (3 credits)** Grade Method: REG/AUD.
Administration of information programs, services, and projects, including the role of leadership in management; developing mission, vision, and goals; providing effective management for results; managing professionals; financial management; and professional conduct and ethical issues.

| | | |
|---|---|---|
| 0101 | Taverekere Srikantaiah | Seats (Total: 30) |
| | W 2:00pm - 4:45pm | HBK 2119 |

**INFM613** **Systems Analysis and Design**

**INFM613 Systems Analysis and Design; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: INFM603.* Formal process for planning and designing an information technology system, including identifying users and other stakeholders, analyzing work processes, preparing system specifications, conducting feasibility and usability studies, and preparing for implementation. Approaches to analyzing system components and functions. Measurement and evaluation of system performance.

| | | |
|---|---|---|
| 0101 | Ping Wang | Seats (Total: 30) |
| | M 6:00pm - 8:45pm | HBK 0108 |

**INFM620** **Introduction to Strategic Information Management**

**INFM620 Introduction to Strategic Information Management; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: INFM612; or permission of instructor. Restriction: Permission of INFO-College of Information Studies.* Defining and identifying strategic information in an organization. Characteristics of strategic information management, including the principles, practices, issues, and programs involved with the strategic management and protection of information in organizations.

| | | |
|---|---|---|
| 0101 | Vikas Sahasrabudhe | Seats (Total: 30) |
| | Tu 6:00pm - 8:45pm | HBK 1112 |

**INFM700** **Information Architecture**

**INFM700 Information Architecture; (3 credits)** Grade Method: REG/AUD. *Prerequisite: INFM603; or permission of instructor.* Principles and techniques of information organization and architecture for the Web environment. Structured description of digital resources, including data modeling techniques, metadata schemes, and user-oriented navigation systems.

| | | |
|---|---|---|
| 0101 | Paul Jacobs | Seats (Total: 25) |
| | W 6:00pm - 8:45pm | PLS 1115 |

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**INFM718G** **Selected Topics in Information Management; Data-Intensive Computing with MapReduce**

**INFM718G Selected Topics in Information Management: Data-Intensive Computing with MapReduce; (2-3 credits)** Grade Method: REG/AUD. Also offered as CMSC828G. Credit will be granted for only one of the following: CMSC828G or INFM718G.

| | | |
|---|---|---|
| 0101 | Jimmy Lin | Seats (Total: 45) |
| | Th 6:00pm - 8:45pm | HBK 0103 |

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**INFM718W** **Selected Topics in Information Management; Information Risk Management and Security**

**INFM718W Selected Topics in Information Management: Information Risk Management and Security; (3 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| SG01 | Raymond Paquette | Seats (Total: 20) |
| | Class time/details on ELMs | ONLINE |

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**INFM719** **Independent Study**

**INFM719 Independent Study; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**INFM737** **Solving Problems in Information Management**

**INFM737 Solving Problems in Information Management; (3 credits)** Grade Method: S-F.
*Prerequisite: INFM736; or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Additional information: Taken near the end of student's program.* In-depth problem analysis and resolution. Capstone project.

| | | |
|---|---|---|
| 0101 | Susan Winter<br>W 6:00pm - 8:45pm | Seats (Total: 30)<br>HBK 0123 |

# INST Information Studies Spring 2013

**INST612** **Information Policy**

**INST612 Information Policy; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Permission of INFO-College of Information Studies. Credit only granted for: INST612 or LBSC625. Formerly: LBSC625.* Nature, structure, development and application of information policy. Interactions of social objectives, stakeholders, technology and other forces that shape policy decisions. The class will meet on January 29, February 26, April 2nd and May 7.

| | | |
|---|---|---|
| ML01 | Katie Shilton<br>Class time/details on ELMs<br>*Restricted to LBSO Students only.* | Seats (Total: 30)<br>ONLINE |
| SG01 | Katie Shilton<br>Tu 5:30pm - 8:15pm<br>Class time/details on ELMs | Seats (Total: 20)<br>BLD3 4219<br>ONLINE |

**INST613** **Information and Human Rights**

**INST613 Information and Human Rights; (3 credits)** Grade Method: REG/AUD.
*Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INST728B or INST613. Formerly: INST728B.* An examination of information as a human right, including topics: social, cultural, economic, legal, and political forces shaping information rights; the impact of information rights on information professions, standards, and cultural institutions; and information rights and disadvantaged populations.

| | | |
|---|---|---|
| 0101 | Paul Jaeger<br>W 5:30pm - 8:15pm | Seats (Total: 30)<br>HBK 2119 |

**INST614** **Information Literacy, Inclusion, and the Public Good**

**INST614 Information Literacy, Inclusion, and the Public Good; (3 credits)** Grade Method: REG/AUD.
*Restriction: Permission of INFO-College of Information Studies.* The educational and psychological dimensions of helping and supporting new users to become information literate and experienced users to remain engaged.

| | | |
|---|---|---|
| 0101 | Paul Jaeger<br>M 5:30pm - 8:15pm | Seats (Total: 30)<br>PLS 1111 |

**INST660** **21st Century Leadership**

**INST660 21st Century Leadership; (3 credits)** Grade Method: REG/AUD.
*Recommended: INFM612 or LBSC635. Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INST660, LBSC708F or INFM718F.* Using a combination of research, literature and current practice, the course explores topics basic to the understanding and practice of leadership.

| | | |
|---|---|---|
| 0101 | Michael Kurtz<br>M 2:00pm - 4:45pm | Seats (Total: 30)<br>HBK 0108 |
| ML01 | Ann Prentice<br>Class time/details on ELMs<br>*Restricted to LBSO student only.* | Seats (Total: 25)<br>ONLINE |

**INST701** **Introduction to Research Methods**

**INST701 Introduction to Research Methods; (3 credits)** Grade Method: REG/AUD.
*Restriction: Permission of INFO-College of Information Studies. Credit only granted for: LBSC701, INFM718M or INST701. Formerly: LBSC701, INFM718M.* Techniques and strategies of research as applied to the definition, investigation, and evaluation of information problems. Qualitative, quantitative, and mixed methods of research design methods are considered from the aspects of implementation, analysis, and interpretation.

| | | |
|---|---|---|
| 0101 | Ricardo Punzalan<br>M 6:00pm - 8:45pm<br>*Restricted to LBSO students only.* | Seats (Total: 30)<br>HBK 0115 |

**INST715** **Knowledge Management**

**INST715 Knowledge Management; (3 credits)** Grade Method: REG/AUD. *Prerequisite: Permission of INFO-College of Information Studies. Credit only granted for: INST715 or LBSC715. Formerly: LBSC715.* Nature, creation, acquisition, and use of knowledge. Strategic role of knowledge in organizations and institutions. Information and knowledge ecology. Structure and functions of knowledge management systems and the role of the Internet and intranets. Knowledge as intellectual capital. Roles of librarians and information professionals in the knowledge economy. Strategic issues and future trends.

| | | |
|---|---|---|
| SG01 | Raymond Paquette | Seats (Total: 20) |
| | Class time/details on ELMs | ONLINE |

**INST728C** **Special Topics in Information Studies; Computational Linguistics II**

**INST728C Special Topics in Information Studies: Computational Linguistics II; (3 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Philip Resnik | Seats (Total: 30) |
| | W 1:30pm - 4:00pm | TLF 1103 |

**INST728G** **Special Topics in Information Studies; Individualized Teaching Experience**

**INST728G Special Topics in Information Studies: Individualized Teaching Experience; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Paul Jaeger | Seats (Total: 5) |
| | Contact instructor or department for details. | |

**INST733** **Database Design**

**INST733 Database Design; (3 credits)** Grade Method: REG/AUD. *Prerequisite: LBSC690; and permission of INFO-College of Information Studies. Credit only granted for: INST733 or LBSC793. Formerly: LBSC793.* Principles of user-oriented database design. Requirements analysis. Data modelling. Data integrity and security and multi-user databases. Implementing an information system using a database management system (DBMS).

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|---|---|---|
| SG01 | Vedat Diker<br>Tu 6:00pm - 8:45pm | Seats (Total: 30)<br>BLD3 3226 |

**INST737** **Digging Into Data**

**INST737 Digging Into Data; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: LBSC690 or INFM603; or permission of instructor. Restriction: Permission of INFO-College of Information Studies.* An exploration of some of the best and most general approaches to get the most information out of data through clustering, classification, and regression techniques.

| | | |
|---|---|---|
| 0101 | Jordan Boyd-Graber<br>M 6:00pm - 8:45pm | Seats (Total: 30)<br>PLS 1117 |

**INST776** **HCIM CAPSTONE PROJECT**

**INST776 HCIM CAPSTONE PROJECT; (3 credits)** Grade Method: REG.
*Prerequisite: INST775; or permission of instructor. Restriction: Must be taken in the semester immediately following completion of INST775 HCIM Capstone Prep; and permission of INFO-College of Information Studies.* The opportunity to apply the skills learned through coursework in a semester-long project applied to a real -world problem. Capstone projects may follow the design, prototyping and evaluation process from end-to-end or may focus on a subset of elements in that process, such as formative study and design.

| | | |
|---|---|---|
| 0101 | Leah Findlater<br>Th 2:00pm - 4:45pm | Seats (Total: 25)<br>CSI 3118 |

**INST799** **Master's Thesis Research**

**INST799 Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F.

| | | |
|---|---|---|
| 1301 | Jennifer Golbeck<br>Contact instructor or department for details. | Seats (Total: 4) |

**INST810** **Individual Research Experience**

**INST810 Individual Research Experience; (3 credits)** Grade Method: REG/AUD. *Credit only granted for: INST810 or LBSC810. Formerly: LBSC810.* Pre-candidacy individual research experience directed by a faculty member.

| | | |
|---|---|---|
| 0101 | Jennifer Preece<br>Contact instructor or department for details. | Seats (Total: 5) |
| 0201 | Jimmy Lin<br>Contact instructor or department for details. | Seats (Total: 5) |
| 2401 | Jessica Vitak<br>Contact instructor or department for details. | Seats (Total: 4) |
| 2701 | Mega Subramaniam<br>Contact instructor or department for details. | Seats (Total: 4) |

**INST888** **Doctoral Seminar**

**INST888 Doctoral Seminar; (3 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Beth St Jean<br>M 2:00pm - 4:45pm | Seats (Total: 25)<br>HBK 4113 |

**INST898** **Pre-Candidacy Research**

**INST898** *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**INST899** **Doctoral Dissertation Research**

**INST899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# ISRL Israel Studies Spring 2013

**ISRL142** **Introduction to Modern Israel**

**ISRL142 Introduction to Modern Israel; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences.
*Credit only granted for: ISRL142, JWST142, JWST219B.* An introduction to the history, politics, culture and society of modern Israel. Also offered as JWST219B. Credit will be granted for oneof the followin g: ISRL142 or JWST219B.

| | | |
|---|---|---|
| 0101 | Joseph Ringel | Seats (Total: 40) |
| | TuTh 9:30am - 10:45am | TYD 2111 |

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**ISRL249C** **Selected Topics in Israel Studies; Contemporary Israel**
**Contact department for information to register for this course.**

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**ISRL249D** **Selected Topics in Israel Studies; Women in Israel**
**Contact department for information to register for this course.**

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**ISRL249E** **Selected Topics in Israel Studies; Writing Israel**
**Contact department for information to register for this course.**

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**ISRL299C** **Independent Study in Israel Studies; Modern Jewish History in Film**

**ISRL299C Independent Study in Israel Studies: Modern Jewish History in Film; (1 credit)** Grade Method: REG/P-F/AUD.
Pre- or corequisite: HIST283/JWST235 and HIST283H/JWST235H or permission of instructor. Also offered as HIST299C and JWST299C. Credit will be granted for only one of the following: HIST299C, ISRL299C or JWST299C.

| | | |
|---|---|---|
| 0101 | Bernard Cooperman | Seats (Total: 20) |
| | W 4:00pm - 6:00pm | SKN 1112 |

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**ISRL349A** **Investigating Topics in Israel Studies; The Psychology of Conflict Resolution**
**Contact department for information to register for this course.**

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**ISRL369C** **Special Topics in Study Abroad; Israeli Society in Israeli Cinema**
**Contact department for information to register for this course.**

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**ISRL369I** **Special Topics in Study Abroad; Socio-Economic, Political, Religious, and Ethnic Conflicts in Israel, and the Search For Common Ground**
**Contact department for information to register for this course.**

**ISRL448D** **Seminar in Israel Studies; Dividing Palestine? A Simulation of Jewish-Arab Negotiations**

**ISRL448D Seminar in Israel Studies: Dividing Palestine? A Simulation of Jewish-Arab Negotiations; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as HIST428V. The Jewish-Arab conflict in Palestine from the early 20th century to 1948 will be explored. A 5-week simulation will be featured in which students will assume roles of the Jewish and Arab leaders of the 1930's and negotiate over what is known as the "First Partition Plan" for Palestine.

| | | |
|---|---|---|
| 0101 | Paul Scham | Seats (Total: 20) |
| | TuTh 3:00pm - 4:15pm | HLZ 0142 |

**ISRL448E** **Seminar in Israel Studies; Media Campaigns in Israel**

**ISRL448E** *(PermReq)* **Seminar in Israel Studies: Media Campaigns in Israel; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as COMM448E, COMM698E, and ISRL618A. Credit will be granted for only one of the following: COMM498E, COMM698E, ISRL448E, or ISRL618A. Lectures on political communication concepts, theories, and Israeli media campaigns, along with one-on-one meetings on selected research topic readings, and student presentations on research findings and class feedback.

| | | |
|---|---|---|
| 0101 | Sam Lehman-Wilzig | Seats (Total: 15) |
| | W 3:30pm - 6:00pm | JMZ 2117 |

**ISRL448F** **Seminar in Israel Studies; Elections in Israel, 1949-2013: From Platform to Personality**

**ISRL448F Seminar in Israel Studies: Elections in Israel, 1949-2013: From Platform to Personality; (3 credits)** Grade Method: REG/P-F/AUD.
We will examine democratic electoral-representation systems, emphasizing Israeli election campaign evolution through the elections of January 201 3 -- from party ideology to primaries and personality. One-one-one meet meetings on selected topic readings, and student presentations on resear h findings and class feedback.

| | | |
|---|---|---|
| 0101 | Sam Lehman-Wilzig | Seats (Total: 15) |
| | Tu 3:30pm - 6:00pm | HJP 1125 |

**ISRL448L** **Seminar in Israel Studies; Israel Politics and Society for Young Leaders**

**ISRL448L Seminar in Israel Studies: Israel Politics and Society for Young Leaders; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as GVPT399G. An intensive examination of Israeli politics intended for students who are leaders in student or community groups.

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|---|---|---|
| 0101 | Yoram Peri | Seats (Total: 25) |
| | MW 3:30pm - 4:45pm | KEY 0126 |

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**ISRL449M** **Advanced Topics in Israel Studies; Cultural Diversity and Multiple Identities in Contemporary Israeli Society**

**ISRL449M Advanced Topics in Israel Studies: Cultural Diversity and Multiple Identities in Contemporary Israeli Society; (3 credits)** Grade Method: REG/P-F/AUD.
An examination of Israel's 60-year cultural history including issues of immigration, the nature and development of the Jewish nation-state, the place of ethnic communities, the role of military in cultural institutions, education, gender, and the role of post-modernism in understanding the society.

| | | |
|---|---|---|
| 0101 | Pnina Peri | Seats (Total: 35) |
| | MW 2:00pm - 3:15pm | HBK 0115 |

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**ISRL449P** **Advanced Topics in Israel Studies; Modern Hebrew Poetry**

**ISRL449P Advanced Topics in Israel Studies: Modern Hebrew Poetry; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as HEBR498P and JWST429R. Credit will be granted for only one of the following: JWST429R, ISRL449P, or HEBR498P. Taught in Hebrew.

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|---|---|---|
| 0101 | Eric Zakim | Seats (Total: 15) |
| | TuTh 11:00am - 12:15pm | JMZ 2117 |

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**ISRL449R** **Advanced Topics in Israel Studies; History of the Jewish Communities in the Lands of Islam During Modern Times**

**ISRL449R Advanced Topics in Israel Studies: History of the Jewish Communities in the Lands of Islam During Modern Times; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as HIST428W and JWST429A. Credit will be granted for HIST428W, ISRL449R, or JWST429A. The history of the Jewish communities of the lands of Islam from the time of Muhammad until the present day.

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| 0101 | Joseph Ringel | Seats (Total: 40) |
| | TuTh 12:30pm - 1:45pm | CSS 2428 |

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**ISRL449W** **Advanced Topics in Israel Studies; Women and Gender in Israel**

**ISRL449W Advanced Topics in Israel Studies: Women and Gender in Israel; (3 credits)** Grade Method: REG/P-F/AUD.
Exploration of Israeli values and culture through gendered, social and historical perspectives from pre-state Palestine until today using a variety of sources, including the development and impact of modern feminist/gender theories and studies. Also offered as WMST498G.

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|---|---|---|
| 0101 | Pnina Peri | Seats (Total: 35) |
| | MW 3:30pm - 4:45pm | HBK 0115 |

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**ISRL618A** **Graduate Seminar in Israel Studies; Media Campaigns in Israel**

**ISRL618A Graduate Seminar in Israel Studies: Media Campaigns in Israel; (3 credits)** Grade Method: REG/AUD.
Also offered as COMM498E, COMM698E, and ISRL448E. Credit will be granted for only one of the following: COMM498E, COMM698E, ISRL448E, or ISRL618A. Lectures on political communication concepts, theories, and Israeli media campaigns, along with one-on-one meetings on selected research topic readings, and student presentations on research findings and class feedback.

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|---|---|---|
| 0101 | Sam Lehman-Wilzig | Seats (Total: 15) |
| | W 3:30pm - 6:00pm | JMZ 2117 |

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**ISRL618B** **Graduate Seminar in Israel Studies; Elections in Israel, 1949-2013: From Platform to Personality**

**ISRL618B Graduate Seminar in Israel Studies: Elections in Israel, 1949-2013: From Platform to Personality; (3 credits)** Grade Method: REG/AUD.
We will examine democratic electoral-representation systems, emphasizing Israeli election campaign evolution through the elections of January 201 3 -- from party ideology to primaries and personality. One-one-one meet ings on selected topic readings, and student presentations on research f indings and class feedback.

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|---|---|---|
| 0101 | Sam Lehman-Wilzig<br>Tu 3:30pm - 6:00pm | Seats (Total: 8)<br>HJP 1125 |

# ITAL Italian Spring 2013

**ITAL103** **Intensive Elementary Italian**

Students with no experience in the language are invited to register for ITAL103.
**ITAL103 Intensive Elementary Italian; (4 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Not open to fluent/native speakers of Italian. Credit only granted for: ITAL103 or ITAL121.* Covers speaking, reading, writing, listening, and culture of Italian-speaking world.

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|---|---|---|
| 0101 | Federica Deigan<br>TuTh 9:30am - 10:45am<br>W 10:00am - 10:50am | Seats (Total: 15)<br>JMZ 2122<br>TYD 1108 |
| 0201 | Margherita Morando<br>Tu 1:00pm - 1:50pm<br>MWF 1:00pm - 1:50pm | Seats (Total: 15)<br>JMZ 0118<br>JMZ 0118 |
| 0301 | Maria Fleri<br>MWF 10:00am - 10:50am<br>Tu 10:00am - 10:50am | Seats (Total: 15)<br>PLS 1146<br>PLS 1168 |
| 0401 | Maria Fleri<br>MWF 11:00am - 11:50am<br>Tu 11:00am - 11:50am | Seats (Total: 15)<br>PLS 1146<br>PLS 1168 |

**ITAL122** **Accelerated Italian II**

**ITAL122 Accelerated Italian II; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
*Prerequisite: ITAL121; or must have appropriate Foreign Language Placement Test (FLPT) score. Credit only granted for: ITAL203 or ITAL122.* Continuation of ITAL121. Completion of accelerated cycle. May be used to satisfyARHU Global Engagement requirement. Also offered as ITAL122H.

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|---|---|---|
| 0101 | Stefania Amodeo | Seats (Total: 25) |
| | MWF 9:00am - 9:50am | JMZ 2123 |

**ITAL122H** **Accelerated Italian II**

**ITAL122H Accelerated Italian II; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
*Prerequisite: ITAL121; or must have appropriate Foreign Language Placement Test (FLPT) score. Credit only granted for: ITAL203 or ITAL122.* Continuation of ITAL121. Completion of accelerated cycle. May be used to satisfyARHU Global Engagement requirement. For general honors students only. Also offered as ITAL122.

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|---|---|---|
| 0101 | Stefania Amodeo | Seats (Total: 25) |
| | MWF 9:00am - 9:50am | JMZ 2123 |

**ITAL169C** **Special Topics in Study Abroad I; Italian Conversation**
**Contact department for information to register for this course.**

**ITAL169E** **Special Topics in Study Abroad I; Elementary Italian I**
**Contact department for information to register for this course.**

**ITAL169R** **Special Topics in Study Abroad I; Introduction to Italian Language and Culture**
**Contact department for information to register for this course.**

**ITAL203** **Intensive Intermediate Italian**

**ITAL203 Intensive Intermediate Italian; (4 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
*Prerequisite: ITAL103; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed ITAL122; and must not be a fluent/native speaker of Italian. Credit only granted for: ITAL203 or ITAL122.* Covers speaking, reading, writing, listening, and culture of Italian-speaking world.

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|---|---|---|
| 0101 | Federica Deigan<br>TuTh 11:00am - 12:15pm<br>W 11:00am - 11:50am | Seats (Total: 25)<br>JMZ 2122<br>TYD 1108 |
| 0201 | Margherita Morando<br>MTuWF 10:00am - 10:50am | Seats (Total: 25)<br>JMZ 0103 |

**ITAL204** **Review Grammar and Composition**

**ITAL204 Review Grammar and Composition; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
*Prerequisite: ITAL203 or ITAL122; or must have appropriate Foreign Language Placement Test (FLPT) score.* An intensive review of major aspects of contemporary grammatical usage; training in comprehension; an introduction to guided composition.

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|---|---|---|
| 0101 | Margherita Morando<br>MWF 11:00am - 11:50am | Seats (Total: 25)<br>JMZ 0118 |

**ITAL207** **Reading and Writing in Italian**

**ITAL207 Reading and Writing in Italian; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
*Prerequisite: ITAL204; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a fluent/native speaker of Italian.* Culture-based, process approach to reading and writing in Italian; selected grammatical topics.

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| 0101 | Margherita Morando<br>MWF 12:00pm - 12:50pm | Seats (Total: 25)<br>JMZ 0118 |

**ITAL261** **Cuisine, Culture, and Society in Italy Yesterday and Today**

**ITAL261 Cuisine, Culture, and Society in Italy Yesterday and Today; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
*Prerequisite: ITAL204; or permission of ARHU-School of Languages, Literatures, and Cultures department.* Exposes students to an important aspect of Italian culture: the art of gastronomy. Provides an in-depth understanding of the close relationship between food and culture, while enriching their knowledge of the Italian language through reading and analysis of various texts which deal with the preparation and adaptation of Italian food in different cultural settings. Taught in Italian.

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|---|---|---|
| 0101 | Stefania Amodeo | Seats (Total: 25) |
| | MWF 10:00am - 10:50am | JMZ 1124 |

**ITAL269I** **Special Topics in Study Abroad II; Intensive Intermediate Italian I**
**Contact department for information to register for this course.**

**ITAL269R** **Special Topics in Study Abroad II; Elementary Italian I**
**Contact department for information to register for this course.**

**ITAL301** **Italian Composition**
**Contact department for information to register for this course.**

**ITAL311** **Advanced Oral Expression: Current Events**

**ITAL311 Advanced Oral Expression: Current Events; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ITAL211; or permission of ARHU-School of Languages, Literatures, and Cultures department.* Oral expression; development of idiomatic forms and vocabulary to level of the Italian press.

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|---|---|---|
| 0101 | Stefania Amodeo | Seats (Total: 20) |
| | MWF 1:00pm - 1:50pm | JMZ 2125 |

**ITAL351** **Survey of Italian Literature I: From the Middle Ages to Renaissance**

**ITAL351 Survey of Italian Literature I: From the Middle Ages to Renaissance; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: ITAL207 or ITAL251; or permission of ARHU-School of Languages, Literatures, and Cultures department. Credit only granted for: ITAL350 or ITAL351.* Analysis of figures, themes, and styles in fiction and poetry from the Middle Ages to the Renaissance.

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| 0101 | Joseph Falvo<br>MWF 11:00am - 11:50am | Seats (Total: 20)<br>EGR 3102 |

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**ITAL369W** **Special Topics in Study Abroad III; Composition and Style**
**Contact department for information to register for this course.**

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**ITAL386** **Experiential Learning**

**ITAL386** *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: Must have a Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Restriction: Junior standing or higher.*

**Contact department for information to register for this course.**

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**ITAL399** **Directed Study in Italian**

**ITAL399** *(PermReq)* **Directed Study in Italian; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**ITAL411** **Dante in Translation**

**ITAL411 Dante in Translation; (3 credits)** Grade Method: REG/P-F/AUD.
*Credit only granted for: ITAL411 or ITAL412.* Dante's thought as expressed in his major writings: The Vita Nuova, De Monarchia and The Divine Comedy. Taught in English.

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|---|---|---|
| 0101 | Joseph Falvo<br>MWF 1:00pm - 1:50pm | Seats (Total: 25)<br>JMZ 2120 |

**ITAL421** **The Italian Renaissance**
**Contact department for information to register for this course.**

**ITAL431** **Italian Civilization in Translation**
**Contact department for information to register for this course.**

**ITAL475** **The Italian Opera Libretto in English**
**Contact department for information to register for this course.**

**ITAL478D** **Colloquium in Italian; Dante**

**ITAL478D Colloquium in Italian: Dante; (1 credit)** Grade Method: REG/P-F/AUD. This course correlates with ITAL411.

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| 0101 | Joseph Falvo | Seats (Total: 10) |
| | W 2:00pm - 2:50pm | JMZ 0205 |

**ITAL478T** **Colloquium in Italian; Italian Theatre**

**ITAL478T Colloquium in Italian: Italian Theatre; (1 credit)** Grade Method: REG/P-F/AUD.
The course correlates with ITAL499T.

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| 0101 | Federica Deigan | Seats (Total: 10) |
| | W 12:00pm - 12:50pm | JMZ 3122 |

**ITAL497** **Senior Project**

**ITAL497 Senior Project; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: 4 courses from ITAL400-499 course range; or permission of ARHU-School of Languages, Literatures, and Cultures department.* Individual independent study of an aspect of Italian literature, culture or society selected according to student interest and need in consultation with a member of the Italian program.

**Contact department for information to register for this course.**

**ITAL499** **Special Topics in Italian Studies**

**ITAL499** *(PermReq)* **Special Topics in Italian Studies; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**ITAL499T** **Special Topics in Italian Studies; Texts and Images of the Italian Theatre**

**ITAL499T Special Topics in Italian Studies: Texts and Images of the Italian Theatre; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as THET499T.Taught in English.

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| 0101 | Federica Deigan<br>TuTh 12:30pm - 1:45pm | Seats (Total: 25)<br>JMZ 2117 |

# JAPN Japanese Spring 2013

**JAPN102** **Elementary Japanese II**

**JAPN102 Elementary Japanese II; (6 credits)** Grade Method: REG.
*Prerequisite: Minimum grade of C- in JAPN101; or permission of instructor.* Continued introduction to the basic spoken patterns of contemporary Japanese.

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|---|---|---|
| 0101 | Makiko Inoue, Carlos Pimentel<br>MWF 9:00am - 9:50am<br>TuTh 9:30am - 10:45am | Seats (Total: 15)<br>JMZ 2120<br>JMZ 0205 |
| 0201 | Kumiko Akikawa<br>MWF 10:00am - 10:50am<br>TuTh 9:30am - 10:45am | Seats (Total: 15)<br>JMZ 2125<br>JMZ 3203 |
| 0301 | Kumiko Akikawa<br>MWF 11:00am - 11:50am<br>TuTh 11:00am - 12:15pm | Seats (Total: 15)<br>JMZ 2125<br>JMZ 3203 |
| 0401 | Makiko Inoue<br>MWF 12:00pm - 12:50pm<br>TuTh 11:00am - 12:15pm | Seats (Total: 15)<br>JMZ 3205<br>JMZ 3205 |

**JAPN202** **Intermediate Japanese II**

**JAPN202 Intermediate Japanese II; (6 credits)** Grade Method: REG. CORE Humanities (HO) Course.
*Prerequisite: Minimum grade of C- in JAPN201; or permission of instructor.* Contemporary spoken and written Japanese.

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| 0201 | Etsuko Yamakita<br>MWF 11:00am - 12:50pm | Seats (Total: 15)<br>JMZ 3118 |
| 0301 | Etsuko Yamakita<br>MWF 9:00am - 10:50am | Seats (Total: 15)<br>JMZ 1120 |

**JAPN302** **Advanced Japanese II**

**JAPN302 Advanced Japanese II; (6 credits)** Grade Method: REG.
*Prerequisite: Minimum grade of C- in JAPN301; or permission of instructor.* Continued readings in varied modern texts and advanced conversation and oral comprehension.

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|---|---|---|
| 0101 | Eiko Miura<br>MWF 9:00am - 10:50am | Seats (Total: 15)<br>JMZ 1226 |
| 0201 | Eiko Miura<br>MWF 11:00am - 12:50pm | Seats (Total: 15)<br>JMZ 1226 |

**JAPN307** **Kanji and Composition**

**JAPN307 Kanji and Composition; (3 credits)** Grade Method: REG.
*Prerequisite: Minimum grade of C- in JAPN301. Restriction: Must not be a fluent/native writer of Kanji; and permission of instructor.* Study of Kanji in context; intensive writing practice.

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| 0101 | Makiko Inoue<br>MWF 1:00pm - 1:50pm | Seats (Total: 15)<br>JMZ 3205 |

**JAPN386** **Experiential Learning**

**JAPN386** *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: Must have a Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor. Restriction: Junior standing or higher.*

**Contact department for information to register for this course.**

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**JAPN401** **Readings in Modern Japanese Literature**

**JAPN401 Readings in Modern Japanese Literature; (3 credits)** Grade Method: REG.
*Prerequisite: Minimum grade of C- in JAPN302; or permission of instructor.*
Development of advanced reading, vocabulary, grammar, and translation skills through selected readings in Japanese drawn primarily from modern literature.

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| 0101 | Michele Mason | Seats (Total: 15) |
| | TuTh 9:30am - 10:45am | JMZ 2207 |

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**JAPN421** **History of the Japanese Language**

**JAPN421 History of the Japanese Language; (3 credits)** Grade Method: REG.
*Prerequisite: JAPN201; or permission of ARHU-School of Languages, Literatures, and Cultures department.* Investigation of the origin of the Japanese language, its relationship with other languages, and its development. Taught in English, but presumes knowledge of Kanji (Chinese characters).

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| 0101 | Samuel Ramsey | Seats (Total: 30) |
| | TuTh 12:30pm - 1:45pm | JMZ 2206 |

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**JAPN498B** **Special Topics in Japanese Studies; Japan from the Margins**

**JAPN498B Special Topics in Japanese Studies: Japan from the Margins; (3 credits)** Grade Method: REG.
Taught in English.

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|---|---|---|
| 0101 | Michele Mason | Seats (Total: 30) |
| | TuTh 2:00pm - 3:15pm | JMZ 2207 |

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**JAPN498P** **Special Topics in Japanese Studies; Introduction to Japanese Syntax**

**JAPN498P Special Topics in Japanese Studies: Introduction to Japanese Syntax; (3 credits)** Grade Method: REG.
Prerequisite JAPN301. Taught in English.

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| 0101 | Carlos Pimentel | Seats (Total: 20) |
| | MWF 12:00pm - 12:50pm | JMZ 3120 |

**JAPN499** **Directed Study in Japanese**

**JAPN499** *(PermReq)* **Directed Study in Japanese; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# JOUR Journalism Spring 2013

**JOUR106** **Introduction to Studio Production**

**JOUR106 Introduction to Studio Production; (1 credit)** Grade Method: REG/P-F/AUD.
*Additional information: Course does not count toward a Journalism degree.* Students will participate in various production roles to assist inthe production of UMTV shows.

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|---|---|---|
| 0101 | Manny Fantis | Seats (Total: 14) |
| | **Meets January 23, 2013 - March 15, 2013** | |
| | M 5:00pm - 6:40pm | TWS 0117 |
| 0201 | Manny Fantis | Seats (Total: 14) |
| | **Meets March 25, 2013 - May 9, 2013** | |
| | M 5:00pm - 6:40pm | TWS 0117 |

**JOUR150** **Introduction to Mass Communication**

**JOUR150 Introduction to Mass Communication; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - Scholarship in Practice.
*Restriction: Not open to students who have completed JOUR100 prior to Fall 1999.*
*Additional information: Not applicable toward journalism major.* Survey of the functions and effects of the mass media in the United States. A consumer's introduction to newspapers, television, radio, film, sound recording, books, magazines, and new media technology.

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|---|---|---|---|
| BL01 | Ronald Yaros<br>MW 11:00am - 12:15pm<br>Class time/details on ELMs | Seats (Total: 34)<br>KNI 3202<br>ONLINE | |
| | *Blended Learning courses combine face-to-face and online interactions.* | | |
| BL02 | Ronald Yaros<br>MW 12:30pm - 1:45pm<br>Class time/details on ELMs | Seats (Total: 34)<br>KNI 3202<br>ONLINE | |
| | *Blended Learning courses combine face-to-face and online interactions.* | | |

**JOUR175** **Media Literacy**

**JOUR175 Media Literacy; (3 credits)** Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Scholarship in Practice; Diversity - Understanding Plural Societies.
*Additional information: Not applicable toward journalism major.* An analysis of the information, values and underlying messages conveyed via television, newspapers, the internet, magazines, radio and film. Examines the accuracy of those messages and explores how media shape views of politics, culture and society.

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|---|---|---|---|
| 0101 | Susan Moeller<br>Tu 2:00pm - 3:15pm<br>Th 12:30pm - 1:45pm | Seats (Total: 25)<br>VMH 1212<br>TYD 0111 | <br><br>Discussion |
| 0201 | Susan Moeller<br>Tu 2:00pm - 3:15pm<br>Th 12:30pm - 1:45pm | Seats (Total: 25)<br>VMH 1212<br>ASY 3221 | <br><br>Discussion |

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|---|---|---|---|
| 0301 | Susan Moeller<br>Tu 2:00pm - 3:15pm<br>Th 12:30pm - 1:45pm | Seats (Total: 25)<br>VMH 1212<br>KEY 0119 | Discussion |
| 0401 | Susan Moeller<br>Tu 2:00pm - 3:15pm<br>Th 2:00pm - 3:15pm | Seats (Total: 25)<br>VMH 1212<br>KEY 0121 | Discussion |
| 0501 | Susan Moeller<br>Tu 2:00pm - 3:15pm<br>Th 2:00pm - 3:15pm | Seats (Total: 25)<br>VMH 1212<br>KEY 0124 | Discussion |
| 0601 | Susan Moeller<br>Tu 2:00pm - 3:15pm<br>Th 2:00pm - 3:15pm | Seats (Total: 25)<br>VMH 1212<br>KNI 3202 | Discussion |
| 0701 | Susan Moeller<br>Tu 2:00pm - 3:15pm<br>W 2:00pm - 3:15pm | Seats (Total: 25)<br>VMH 1212<br>KNI 3202 | Discussion |
| 0801 | Susan Moeller<br>Tu 2:00pm - 3:15pm<br>W 2:00pm - 3:15pm | Seats (Total: 25)<br>VMH 1212<br>BPS 1238 | Discussion |

**JOUR181** **Grammar for Journalists**

**JOUR181 Grammar for Journalists; (1 credit)** Grade Method: REG/P-F/AUD. *Credit only granted for: ENGL181, ENGL281, or JOUR181.* An examination of the basic structure of written English needed for precise journalistic writing. Parts of speech, sentence patterns, standard punctuation, diction, and usage will be examined with an emphasis on its application in journalism.

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| 0101 | Linda Coleman<br>W 3:30pm - 4:30pm | Seats (Total: 144)<br>JMZ 0220 | |

**JOUR199** **Survey Apprenticeship**

**JOUR199** *(PermReq)* **Survey Apprenticeship; (1 credit)** Grade Method: S-F. Prerequisite: permission of department. Repeatable to 6 credits if content differs. Formerly JOUR 198. Students must meet with the Internship Director in KNI 1100 to receive permission to register. No requests to register after the Schedule Adjustment Period will be honored.

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| 0101 | Christine Harvey<br>Contact instructor or department for details. | Seats (Total: 35) |

**JOUR200** **Journalism History, Roles and Structures**

**JOUR200 Journalism History, Roles and Structures; (3 credits)** Grade Method: REG/P-F/AUD.
Introduction to the study of journalism from the standpoint of media history and sociology.

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|---|---|---|
| 0101 | Sergey Golitsynskiy<br>TuTh 12:30pm - 1:45pm | Seats (Total: 30)<br>KNI 1105 |
| 0201 | Sandra Banisky<br>TuTh 2:00pm - 3:15pm | Seats (Total: 30)<br>KNI 1103 |
| 0301 | Carl Stepp<br>MW 2:00pm - 3:15pm | Seats (Total: 30)<br>KNI 1103 |
| 0501 | Tamara Cooke Henry<br>TuTh 12:30pm - 1:45pm | Seats (Total: 30)<br>KNI 1208 |

**JOUR201** **News Writing and Reporting I**

**JOUR201** *(PermReq)* **News Writing and Reporting I; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in ENGL101, JOUR181, and JOUR200; and permission of JOUR-Philip Merrill College of Journalism. Restriction: For students intending to be journalism majors; and permission of JOUR-Philip Merrill College of Journalism.* Introduction to news for the print and electronic media, development of new concepts: laboratory in news-gathering tools and writing skills. Students who earned 80% or higher on the JOUR181 diagnostic are exempt from the JOUR181 prerequisite. For students intending to be journalism majors.

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|---|---|---|
| 0101 | Elia Powers<br>MW 8:00am - 9:50am | Seats (Total: 18)<br>KNI 2107 |
| 0201 | Edward Wyatt<br>TuTh 8:00am - 9:50am | Seats (Total: 18)<br>KNI 2105 |
| 0301 | Steven Overly<br>MW 7:00pm - 8:50pm | Seats (Total: 18)<br>KNI 1101 |
| 0401 | Daniel Jacobs<br>TuTh 7:00pm - 8:50pm | Seats (Total: 18)<br>KNI 2103 |
| 0501 | Jessica Milcetich<br>MW 5:00pm - 6:50pm | Seats (Total: 18)<br>KNI 2103 |
| 0601 | Karen Denny<br>MW 8:00am - 9:50am | Seats (Total: 18)<br>KNI 2103 |
| 0701 | Robert Terry<br>TuTh 7:00pm - 8:50pm | Seats (Total: 18)<br>KNI 2107 |
| 0801 | Tamara Cooke Henry<br>MW 2:00pm - 3:50pm | Seats (Total: 18)<br>KNI 2103 |
| 0901 | Ericka Danois<br>TuTh 10:00am - 11:50am | Seats (Total: 18)<br>KNI 1101 |
| 1001 | Theo Francis<br>TuTh 12:00pm - 1:50pm | Seats (Total: 18)<br>KNI 2103 |

**JOUR202** **News Editing**

**JOUR202** *(PermReq)* **News Editing; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: Must have completed or be concurrently enrolled in JOUR203. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism.* Copy editing, graphic principles and processes, new media technology.

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|---|---|---|
| 0101 | Robert Grover<br>TuTh 10:00am - 11:50am | Seats (Total: 18)<br>KNI 2105 |

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| 0201 | Sharon O'Malley<br>TuTh 4:00pm - 5:50pm | Seats (Total: 18)<br>KNI 1101 |
| 0301 | Sharon O'Malley<br>TuTh 2:00pm - 3:50pm | Seats (Total: 18)<br>KNI 1101 |

**JOUR203** **Introduction to Multimedia Skills**

**JOUR203** *(PermReq)* **Introduction to Multimedia Skills; (3 credits)** Grade Method: REG.
*Prerequisite: JOUR201. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR203 or JOUR328G. Formerly: JOUR328G.* Examining the basics of producing and editing digital photos, video, and audio. Topics inlcude: framing, lighting, and other aspects of composition; sequencing, using wide, medium, and tight shots; and ethical considerations when collecting sound and visuals.

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|---|---|---|
| 0101 | Bethany Swain<br>W 10:00am - 12:45pm | Seats (Total: 18)<br>KNI 2105 |
| 0201 | James McIntyre<br>F 10:00am - 12:45pm | Seats (Total: 18)<br>KNI 2105 |
| 0301 | Timothy Jacobsen<br>F 10:00am - 12:45pm | Seats (Total: 18)<br>KNI 2103 |
| 0401 | Jonathan Sham<br>W 12:00pm - 2:45pm | Seats (Total: 18)<br>KNI 1101 |
| 0501 | Jeffrey Young<br>F 9:00am - 11:45am | Seats (Total: 18)<br>KNI 2107 |

**JOUR240** **Advertising in America**

**JOUR240 Advertising in America; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.
*Credit only granted for: JOUR240 or JOUR340. Formerly: JOUR340. Additional information: Not applicable toward journalism major.* Survey of the history, regulation and organization of advertising; advertising strategies and effects.

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|---|---|---|
| 0101 | Eric Zanot<br>MW 10:00am - 11:15am | Seats (Total: 20)<br>KNI 1105 |

**JOUR262** **Broadcast Studio and Field Production**

**JOUR262** *(PermReq)* **Broadcast Studio and Field Production; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: JOUR203. Also offered as: JOUR503. Credit only granted for: JOUR262 or JOUR503.* This skills based course is designed to introduce students to the production and content standards of professional video production for the broadcast and Internet news.

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|---|---|---|
| 0101 | Allison Frick<br>TuTh 7:00pm - 8:50pm<br>Contact instructor or department for details. | Seats (Total: 14)<br>KNI 3210 |
| 0201 | Albert Calogero<br>MW 7:30pm - 9:20pm<br>Contact instructor or department for details. | Seats (Total: 14)<br>KNI 3210 |
| 0301 | Joel McDonald<br>MW 8:00am - 9:50am<br>Contact instructor or department for details. | Seats (Total: 14)<br>KNI 3210 |
| 0401 | Kimberlee Shaffir<br>TuTh 8:00am - 9:50am | Seats (Total: 14)<br>KNI 3210 |

**JOUR289F** **Beyond Facebook: How Social Media are Transforming Society, Culture, Business and Politics**

**JOUR289F Beyond Facebook: How Social Media are Transforming Society, Culture, Business and Politics; (3 credits)** Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.
Examining the rise of social media and their impact on culture, business, government, politics, journalism and society, this course provides students with a broad contextual understanding of the multidisciplinary impacts of social media such as Twitter, Facebook and similar Internet-based services.

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| 0101 | Leslie Walker<br>MW 2:00pm - 3:15pm | Seats (Total: 40)<br>KNI 1208 |

**JOUR289J** **Probing War: Investigative Narratives and American Conflicts**

**JOUR289J Probing War: Investigative Narratives and American Conflicts; (3 credits)** Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.

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|---|---|---|
| 0101 | William Beecher, Deborah Nelson, Christopher Hanson<br>MW 11:00am - 12:15pm | Seats (Total: 76)<br>KNI 1208 |

**JOUR300** **Journalism Ethics**

**JOUR300** *(PermReq)* **Journalism Ethics; (3 credits)** Grade Method: REG. *Prerequisite: JOUR201. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism.* Examination of ethical problems in news writing and reporting.

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|---|---|---|
| 0101 | Raymond McCaffrey<br>TuTh 11:00am - 12:15pm | Seats (Total: 30)<br>KNI 3202 |
| 0201 | Christopher Hanson<br>M 4:15pm - 7:00pm | Seats (Total: 30)<br>KNI 1103 |
| 0301 | Diana Huffman<br>TuTh 11:00am - 12:15pm | Seats (Total: 30)<br>KNI 1105 |

**JOUR320** **News Writing and Reporting II: Multiplatform**

**JOUR320** *(PermReq)* **News Writing and Reporting II: Multiplatform; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in JOUR201. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism.* Principles and practices of news reporting; covering news beats and other news sources, including researching news stories for accuracy, comprehensiveness and interpretation. Due to rigorous publication requirement, plan your schedule accordingly. Due to rigorous publication requirement, students should time manage their semester accordingly.

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|---|---|---|
| 0101 | Thomas Frank<br>TuTh 8:00am - 9:50am | Seats (Total: 18)<br>KNI 2103 |

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|---|---|---|
| 0201 | David Lightman<br>MW 8:00am - 9:50am | Seats (Total: 18)<br>KNI 2105 |
| 0301 | Elaine Povich<br>MW 7:00pm - 8:50pm | Seats (Total: 18)<br>KNI 2107 |
| 0401 | David Lightman<br>TuTh 8:00am - 9:50am | Seats (Total: 18)<br>KNI 1101 |

**JOUR324** **Commentary and Editorial Writing**

**JOUR324** *(PermReq)* **Commentary and Editorial Writing; (3 credits)** Grade Method: REG.
*Prerequisite: JOUR320 or JOUR360. Formerly: JOUR326.* Journalistic interpretation and analysis; commentary and editorial writing.

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|---|---|---|
| 0101 | William Beecher<br>TuTh 12:30pm - 1:45pm | Seats (Total: 18)<br>KNI 1206 |
| 0201 | William Beecher<br>TuTh 2:00pm - 3:15pm | Seats (Total: 18)<br>KNI 1206 |

**JOUR325** **Capital News Service Bureau**

**JOUR325** *(PermReq)* **Capital News Service Bureau; (6 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
*Prerequisite: JOUR320; and permission of JOUR-Philip Merrill College of Journalism.* Advanced journalism training. Students report as part of College's Capital News Service program. Washington, DC students should enroll in section 0101. Annapolis students should enroll in section 0201.

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|---|---|---|
| 0101 | Adrianne Flynn<br>Contact instructor or department for details. | Seats (Total: 10) |
| 0201 | Rafael Lorente<br>Contact instructor or department for details. | Seats (Total: 10) |

**JOUR327** **Urban Affairs Reporting**

**JOUR327** *(PermReq)* **Urban Affairs Reporting; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
*Prerequisite: JOUR320; and permission of instructor. Also offered as: JOUR627. Credit only granted for: JOUR327 or JOUR627.* Students are immersed in coverage of issues affecting cities, working on a semester-long multi-platform reporting project based in Baltimore.

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|---|---|---|
| 0101 | Sandra Banisky | Seats (Total: 5) |
| | M 1:30pm - 4:30pm | Location: TBA |

**JOUR328B** **Special Topics in News Writing and Reporting; Sports Reporting and Writing**

**JOUR328B** *(PermReq)* **Special Topics in News Writing and Reporting: Sports Reporting and Writing; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite JOUR320. Department permission required.

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|---|---|---|
| 0101 | Kevin Blackistone | Seats (Total: 15) |
| | MW 10:00am - 11:15am | KNI 3200 |

**JOUR328E** **Special Topics in News Writing and Reporting; Science, Health and Environment Journalism**

**JOUR328E** *(PermReq)* **Special Topics in News Writing and Reporting: Science, Health and Environment Journalism; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320 or permission of instructor.

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|---|---|---|
| 0101 | Carol Rogers | Seats (Total: 10) |
| | Tu 6:00pm - 8:45pm | KNI 1109 |

**JOUR328I** **Special Topics in News Writing and Reporting; Advanced Public Affairs Reporting/Investigative Reporting**

**JOUR328I** *(PermReq)* **Special Topics in News Writing and Reporting: Advanced Public Affairs Reporting/Investigative Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320; and permission of instructor. Students will investigate crumbling cities - urban sinkholes, falling bridges, exploding gas lines- and work in teams to produce multimedia stories for publication/broadcast.

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|---|---|---|
| 0101 | Deborah Nelson | Seats (Total: 5) |
| | M 1:00pm - 3:45pm | KNI 1101 |

**JOUR328L** **Special Topics in News Writing and Reporting; The Religion Angle**

**JOUR328L** *(PermReq)* **Special Topics in News Writing and Reporting: The Religion Angle; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320 or permission of instructor. Religious beliefs permeate human culture, making it imperative for journalists-regardless of their subject matter-to consider faith angles if they are to more fully understand the complexity of personal, social and political interactions. The globalization of media has only enhanced the need. Students will learn how to spot and sensitively handle religion in a journalistic context.

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|---|---|---|
| 0101 | Ira Rifkin | Seats (Total: 12) |
| | W 9:00am - 11:45am | KNI 1206 |

**JOUR328M** **Special Topics in News Writing and Reporting; Magazine Journalism**

**JOUR328M** *(PermReq)* **Special Topics in News Writing and Reporting: Magazine Journalism; (3 credits)** Grade Method: REG/P-F/AUD.
Students will explore the evolving world of magazine journalism and learn to conceive and write content for tablet, online and print magazines. Prerequisite: JOUR 320.

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|---|---|---|
| 0101 | Jennifer Dorroh | Seats (Total: 12) |
| | Tu 9:00am - 11:45am | KNI 3200 |

**JOUR328R** **Special Topics in News Writing and Reporting; Business Reporting**

**JOUR328R** *(PermReq)* **Special Topics in News Writing and Reporting: Business Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR320. Department permission required.

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|---|---|---|
| 0101 | Robert Matthews | Seats (Total: 15) |
| | W 6:00pm - 8:45pm | KNI 1105 |

**JOUR337** **Patch U:Hyper-Local News Production**

**JOUR337** *(PermReq)* **Patch U:Hyper-Local News Production; (3 credits)** Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
*Prerequisite: JOUR320 or JOUR360; and JOUR352; and permission of instructor. Also offered as: JOUR665. Credit only granted for: JOUR 389P, JOUR 337 or JOUR665. Formerly: JOUR 389P.* The Patch U class is a course on hyperlocal reporting. Student are assigned to specific Patch sites and work with the local editors to cover government, education and community news and write short features.

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| 0101 | Sonia Dasgupta<br>Tu 4:00pm - 7:00pm | Seats (Total: 9)<br>KNI 2107 |

**JOUR350** **Multimedia Presentation**

**JOUR350** *(PermReq)* **Multimedia Presentation; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in JOUR202; or minimum grade of C- in JOUR262. Credit only granted for: JOUR350 or JOUR373.* An examination of the relationship of verbal and visual components of news content and the presentation of information in print and online publications by combining typography, graphics, images and interactivity using current digital technologies.

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|---|---|---|
| 0101 | George Lanum<br>TuTh 12:00pm - 1:50pm | Seats (Total: 18)<br>KNI 1101 |
| 0201 | George Lanum<br>MW 12:00pm - 1:50pm | Seats (Total: 18)<br>KNI 2103 |

**JOUR352** **Intermediate Multimedia Journalism**

**JOUR352** *(PermReq)* **Intermediate Multimedia Journalism; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: JOUR262 or JOUR202. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism.* Editing and writing online, using basic Web-coding skills and tools to create news and feature packages for the Internet. New-media issues, including interactivity and individualization, will also be discussed.

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| 0101 | Richard Murphy<br>Tu 7:00pm - 9:45pm | Seats (Total: 18)<br>KNI 2105 |

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|---|---|---|
| 0201 | Alexander Pyles<br>Th 7:00pm - 9:45pm | Seats (Total: 18)<br>KNI 2105 |
| 0401 | Justin Karp<br>M 7:00pm - 9:45pm | Seats (Total: 18)<br>KNI 2105 |

**JOUR353** **News Bureau: Multimedia Reporting**

**JOUR353** *(PermReq)* **News Bureau: Multimedia Reporting; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: JOUR352; and permission of JOUR-Philip Merrill College of Journalism; and (JOUR320 or JOUR360).* Advanced reporting and writing in an online environment focusing on multimedia and non-traditional storytelling. Contact instructor to obtain permission.

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|---|---|---|
| 0101 | Sean Mussenden<br>Contact instructor or department for details.<br>*This section is for College Park Students.* | Seats (Total: 12) |
| 0201 | Rafael Lorente<br>Contact instructor or department for details.<br>*This section is for Annapolis students.* | Seats (Total: 6) |
| 0301 | Adrianne Flynn<br>Contact instructor or department for details.<br>*This section is for Washington DC students.* | Seats (Total: 6) |

**JOUR354** **Interactive Multimedia Storytelling**

**JOUR354** *(PermReq)* **Interactive Multimedia Storytelling; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: JOUR352. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism.* Advanced development of multimedia journalism, with emphasis on interactivity and application of new technologies, drawing on multiple sources, technologies and techniques to create interactive narratives.

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|---|---|---|
| 0101 | Kristen Novak<br>W 7:00pm - 9:45pm | Seats (Total: 6)<br>KNI 2103 |

**JOUR355** **News Bureau: Multimedia Editing and Production**

**JOUR355** *(PermReq)* **News Bureau: Multimedia Editing and Production; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: JOUR202 or JOUR262; and (JOUR320 or JOUR360); and JOUR352; and permission of JOUR-Philip Merrill College of Journalism.* Advanced online journalism training. Students work as multimedia editors and producers, building interactive content and special reports. Contact instructor to obtain permission.

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|---|---|---|
| 0101 | Sean Mussenden<br>Contact instructor or department for details. | Seats (Total: 5) |

**JOUR360** **News Writing and Reporting II: Broadcast**

**JOUR360** *(PermReq)* **News Writing and Reporting II: Broadcast; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in JOUR201. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism.* Writing and reporting for broadcast media: production of news stories.

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|---|---|---|
| 0101 | Jonathan Ebinger<br>M 4:15pm - 5:30pm<br>W 4:15pm - 5:30pm | Seats (Total: 18)<br>KNI 2107<br>KNI 2105 |
| 0201 | Jonathan Ebinger<br>M 5:45pm - 7:00pm<br>W 5:45pm - 7:00pm | Seats (Total: 18)<br>KNI 2107<br>KNI 2105 |
| 0301 | Renee Poussaint<br>TuTh 2:00pm - 3:15pm | Seats (Total: 18)<br>KNI 2107 |

**JOUR361** **Television Reporting and Production**

**JOUR361** *(PermReq)* **Television Reporting and Production; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: JOUR262 and JOUR360.* Writing and editing for the broadcast media. Interpretive and documentary news stories. Students will spend several hours per week on field assignments, in addition to scheduled class sessions.

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| 0101 | Sean Filburn, Cassandra Clayton<br>M 10:00am - 11:50am<br>W 10:00am - 11:50am | Seats (Total: 10)<br>KNI 3210<br>KNI 2107 | |
| 0201 | Joshua Davidsburg<br>MW 7:00pm - 8:50pm<br>Contact instructor or department for details. | Seats (Total: 10)<br>TWS 0117 | |
| 0301 | Cassandra Clayton, Sean Filburn<br>M 12:00pm - 1:50pm<br>W 12:00pm - 1:50pm | Seats (Total: 10)<br>KNI 3210<br>KNI 2107 | |
| 0401 | Bethany Swain, Mark Feldstein<br>MW 2:00pm - 3:50pm | Seats (Total: 7)<br>KNI 2105 | |

**JOUR362** **Broadcast News Producing**

**JOUR362** *(PermReq)* **Broadcast News Producing; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: JOUR262 and JOUR360; and must have completed or be concurrently enrolled in JOUR361.* Producing TV news.

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|---|---|---|---|
| 0102 | Cindy Wright<br>Tu 7:00pm - 9:00pm<br>Tu 2:00pm - 7:00pm | Seats (Total: 2)<br>KNI 3207<br>TWS 0117 | <br><br>Lab |
| 0103 | Cindy Wright<br>Tu 7:00pm - 9:00pm<br>W 2:00pm - 7:00pm | Seats (Total: 2)<br>KNI 3207<br>TWS 0117 | <br><br>Lab |

**JOUR363** **Long Form Broadcast Journalism**

**JOUR363** *(PermReq)* **Long Form Broadcast Journalism; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: JOUR361; and permission of JOUR-Philip Merrill College of Journalism. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Also offered as: JOUR663. Credit only granted for: JOUR363, JOUR486 or JOUR663. Formerly: JOUR486.* Production of long form broadcast news reporting, reality videos or documentaries.

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| 0101 | Cassandra Clayton<br>W 3:00pm - 5:45pm<br>Contact instructor or department for details. | Seats (Total: 5)<br>KNI 3207 |

**JOUR364** **Radio Broadcasting**

**JOUR364** *(PermReq)* **Radio Broadcasting; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: JOUR360; and permission of JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR364 or JOUR368R. Formerly: JOUR368R.* Students receive hands-on training in applying what they have learned about news reporting to the preparation of stories for, and the production of, a weekly radio program.

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| 0101 | Robert Sachs<br>TuTh 7:00pm - 8:50pm | Seats (Total: 11)<br>KNI 1101 |

**JOUR367** **Broadcast News Bureau**

**JOUR367** *(PermReq)* **Broadcast News Bureau; (6 credits)** Grade Method: REG/AUD.
*Prerequisite: JOUR361; and permission of JOUR-Philip Merrill College of Journalism.* Advanced broadcast journalism training. Students report as part of the College's Capital News Service program.

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|---|---|---|
| 0101 | Susan Katcef<br>Contact instructor or department for details. | Seats (Total: 10) |

**JOUR368B** **Topics in Broadcast and Electronic Media; Broadcast Sports Reporting**

**JOUR368B** *(PermReq)* **Topics in Broadcast and Electronic Media: Broadcast Sports Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR262, JOUR360 and JOUR361 or permission of department.

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|---|---|---|
| 0101 | David Owens<br>M 10:00am - 12:45pm | Seats (Total: 12)<br>KNI 2105 |

**JOUR368P** **Topics in Broadcast and Electronic Media; Photojournalism I**

**JOUR368P** *(PermReq)* **Topics in Broadcast and Electronic Media: Photojournalism I; (3 credits)** Grade Method: REG/P-F/AUD.
Students are required to rent or purchase a digital camera. Contact department for camera specifications. Prerequisite: JOUR360. Also open to students who have completed JOUR320.

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|---|---|---|
| 0101 | John Davidson<br>TuTh 3:30pm - 4:45pm | Seats (Total: 14)<br>KNI 2103 |
| 0201 | John Davidson<br>TuTh 5:00pm - 6:15pm | Seats (Total: 14)<br>KNI 2103 |

**JOUR368V** **Topics in Broadcast and Electronic Media; Advanced Video Storytelling**

**JOUR368V** *(PermReq)* **Topics in Broadcast and Electronic Media: Advanced Video Storytelling; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: JOUR361 and permission of instructor. Students will learn advanced storytelling, shooting and editing techniques for multi-platform video, using character-driven, natural sound packages to produce in-depth projects on a common theme.

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| 0101 | Bethany Swain<br>M 4:00pm - 6:45pm | Seats (Total: 7)<br>KNI 2105 |

**JOUR371** **Feature Writing**

**JOUR371** *(PermReq)* **Feature Writing; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: JOUR320.* Research and writing feature articles.

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| 0201 | Carl Stepp<br>TuTh 11:00am - 12:15pm | Seats (Total: 18)<br>KNI 1206 |

**JOUR381** **Media Industry Reporting**

**JOUR381** *(PermReq)* **Media Industry Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: JOUR320; and permission of instructor. Also offered as: JOUR681. Credit only granted for: JOUR381 or JOUR681.* Students hone their reporting and writing skills as they produce work for an award-winning professional magazine, and immerse themselves in the news industry, which is undergoing dramatic transformation in the digital age.

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| 0101 | Rem Rieder | Seats (Total: 4) |
| | Contact instructor or department for details. | |

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**JOUR389B** **News Coverage of Special Topics; Broadcasting the Games: Covering Sports in Action**

**JOUR389B** *(PermReq)* **News Coverage of Special Topics: Broadcasting the Games: Covering Sports in Action; (3 credits)** Grade Method: REG.
Prerequisite: JOUR262 and JOUR360; or permission of department.

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|---|---|---|
| 0101 | Louis Holder | Seats (Total: 12) |
| | Th 4:00pm - 6:45pm | KNI 2105 |

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**JOUR398** **Independent Study**

**JOUR398** *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**JOUR399** **Supervised Internship; Supervised Internship**

**JOUR399** *(PermReq)* **Supervised Internship: Supervised Internship; (1 credit)** Grade Method: REG.
Prerequisite: Grade of C or better in JOUR320 or JOUR360. Credit will be granted for only one of the following: JOUR326, JOUR366, JOUR396 or JOUR399. Supervised news internship experience; relation of academic training to professional experience. Students must pick up an internship agreement form in KNI 1100, have the internship supervisor fill it out, and meet with the Internship Director to receive permission to register. No requests to register after the Schedule Adjustment Period will be honored.

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| 0101 | Christine Harvey | Seats (Total: 75) |
| | Contact instructor or department for details. | |

**JOUR400** **Media Law**

**JOUR400** *(PermReq)* **Media Law; (3 credits)** Grade Method: REG. *Prerequisite: JOUR320, JOUR360, or JOUR501. Restriction: Junior standing or higher.* Legal rights and constraints of mass media; libel, privacy, copyright, monopoly, contempt, and other aspects of the law applied to mass communication. Previous study of the law not required.

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| 0101 | Diana Huffman<br>TuTh 2:00pm - 3:15pm | Seats (Total: 40)<br>KNI 1208 |
| 0201 | Deborah Nelson<br>MW 5:00pm - 6:15pm | Seats (Total: 40)<br>KNI 1208 |

**JOUR451** **Advertising and Society**

**JOUR451 Advertising and Society; (3 credits)** Grade Method: REG/P-F/AUD. *Restriction: Junior standing or higher.* Advertising as an institution with manifest economic purposes and latent social effects. Influences of advertising on people, and related issues of ethics and social responsibility.

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| 0101 | Eric Zanot<br>W 1:00pm - 3:45pm | Seats (Total: 12)<br>KNI 3200 |
| 0201 | Kelly Stepno<br>Th 9:00am - 11:45am | Seats (Total: 12)<br>KNI 2109 |

**JOUR452** **Women in the Media**

**JOUR452 Women in the Media; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies. *Restriction: Junior standing or higher. Also offered as: WMST452. Credit only granted for: JOUR452 or WMST452.* Participation and portrayal of women in the mass media from colonial to contemporary times.

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|---|---|---|
| 0101 | Carol Rogers<br>TuTh 3:30pm - 4:45pm | Seats (Total: 35)<br>KNI 1208 |

**JOUR453** **News Coverage of Racial Issues**

**JOUR453 News Coverage of Racial Issues; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.
*Restriction: Junior standing or higher.* Analysis of news media coverage of issues relating to racial minorities in the United States, with special attention to Hispanics, Asian Americans, African Americans and Native Americans.

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| 0101 | Kimberly Davis | Seats (Total: 25) |
| | TuTh 5:00pm - 6:15pm | KNI 1105 |

**JOUR455** **Media Entrepreneurship**

**JOUR455 Media Entrepreneurship; (3 credits)** Grade Method: REG/P-F/AUD.
*Credit only granted for: JOUR459E or JOUR455. Formerly: JOUR459E.* Basic business and entrepreneurship concepts will be covered and will explore how technology is transforming the business of media. Students develop and pitch ideas for media businesses, learn startup basics, do exercises in Internet advertising and business plan analysis, use social networks and other digital communication tools, and perform other hands-on exercises in business development and presentation.

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|---|---|---|
| PCJ1 | David Cross | Seats (Total: 15) |
| | Sa 1:30pm - 5:15pm | KNI 1101 |
| | *Restricted to students in Multi-Media Journalism Graduate Certificate Program. No class meeting on Feb. 9, March 23, or March 30t* | |

**JOUR456** **Literature in Journalism**

**JOUR456 Literature in Journalism; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
*Also offered as: JOUR673. Credit only granted for: JOUR456 or JOUR673.* From Truman Capote's In Cold Blood to Mark Bowden's Black Hawk Down, students will examine how literary works can help writers approach a subject in a different way than more traditional forms of journalism, including the advantages and limitations of the style.

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| 0101 | Miranda Kennedy | Seats (Total: 18) |
| | TuTh 3:30pm - 4:45pm | KNI 1206 |

**JOUR458B** **Special Topics in Journalism; Sports Media Today**

**JOUR458B Special Topics in Journalism: Sports Media Today; (3 credits)** Grade Method: REG/P-F/AUD.
Students will discuss working with various organizations' communications/media relations staff, coaches and players; distributing news of the organizations; and creating/maintaining methods for disseminating that news to the public in an honest and forthright manner. Also, traditional, digital and social media elements will be explored. Restriction: Junior Standing or higher.

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| 0101 | Chartese Burnett | Seats (Total: 27) |
| | Th 6:15pm - 9:15pm | KNI 1105 |

**JOUR458N** **Special Topics in Journalism; News of Scandal**

**JOUR458N Special Topics in Journalism: News of Scandal; (3 credits)** Grade Method: REG/P-F/AUD.
This course deals with how journalists have, do, and should cover news of scandals, and why do journalists cover scandals? Students will look at historical and contemporary cases of scandal in the news media itself , as well as in sports, religion, politics, and the military. Restriction: Junior Standing or higher.

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| 0101 | Linda Steiner | Seats (Total: 18) |
| | W 12:00pm - 2:45pm | KNI 1206 |

**JOUR459A** **Special Topics in Journalism; Civil Rights Era to Obama: Race and The Media**

**JOUR459A Special Topics in Journalism: Civil Rights Era to Obama: Race and The Media; (3 credits)** Grade Method: REG/P-F/AUD.
Restriction: Junior Standing or higher

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|---|---|---|
| 0101 | Haynes Johnson | Seats (Total: 22) |
| | M 1:00pm - 3:45pm | KNI 1206 |

**JOUR459B** **Special Topics in Journalism; European Mass Media**
**Contact department for information to register for this course.**

**JOUR459F** **Special Topics in Journalism; Media in War and Crisis**
**Contact department for information to register for this course.**

**JOUR459G** **Special Topics in Journalism; Sports, Society, Culture and the Media**

**JOUR459G Special Topics in Journalism: Sports, Society, Culture and the Media; (3 credits)** Grade Method: REG.
Restriction: Junior Standing or higher.

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|---|---|---|
| 0101 | George Solomon | Seats (Total: 15) |
| | W 12:00pm - 2:45pm | KNI 1105 |

**JOUR459K** **Special Topics in Journalism; Global Media and International Journalism in the 21st Century**
**Contact department for information to register for this course.**

**JOUR462** **Professional Seminar in Public Affairs Reporting**

**JOUR462** *(PermReq)* **Professional Seminar in Public Affairs Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Permission of JOUR-Philip Merrill College of Journalism.* Explore theoretical and practical issues in the press coverage of governments. Examine the complex press-government relationship.

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|---|---|---|
| 0101 | Haynes Johnson | Seats (Total: 10) |
| | M 9:00am - 11:45am | KNI 1206 |

**JOUR470** **Journalism and Public Communication Research**

**JOUR470** *(PermReq)* **Journalism and Public Communication Research; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
*Prerequisite: Must have completed a university statistics course. Credit only granted for: JOUR470 or JOUR477. Formerly: JOUR477.* Journalism and public communication research methods used in measuring public opinion and media programs and materials.

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|---|---|---|
| 0101 | Susan Moeller | Seats (Total: 18) |
| | Tu 12:30pm - 1:45pm | KNI 2105 |
| | Th 12:30pm - 1:45pm | KNI 2105 |

**JOUR479E** **Special Topics in Data Gathering and Analysis; Reporting on the Economy**

**JOUR479E** *(PermReq)* **Special Topics in Data Gathering and Analysis: Reporting on the Economy; (3 credits)** Grade Method: REG.
Prerequisite: Must have completed a university statistics course. Designed for journalism and non-journalism undergraduate students, will examine the U.S. economy works and how to find new in business, market and government data sources.

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|---|---|---|
| 0101 | Rob Wells | Seats (Total: 18) |
| | MW 10:00am - 11:15am | KNI 2103 |

**JOUR479G** **Special Topics in Data Gathering and Analysis; Historiography of Broadcasting**

**JOUR479G** *(PermReq)* **Special Topics in Data Gathering and Analysis: Historiography of Broadcasting; (3 credits)** Grade Method: REG.

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|---|---|---|
| 0101 | James Baxter | Seats (Total: 18) |
| | TuTh 2:00pm - 3:15pm | KNI 1105 |

**JOUR479O** **Special Topics in Data Gathering and Analysis; Understanding Audiences**

**JOUR479O** *(PermReq)* **Special Topics in Data Gathering and Analysis: Understanding Audiences; (3 credits)** Grade Method: REG.
Prerequisite: Must have completed a university statistics course. As journalism evolves, it may be more improtant than ever to understand what were once simply called "audiences"- who they are, how they consume news, and what that engagement means for them and for society. Students will learn to think critically about news audiences and contemporary issues in audience research.

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|---|---|---|
| 0101 | Soo-Kwang Oh | Seats (Total: 18) |
| | TuTh 2:00pm - 3:15pm | KNI 2105 |

**JOUR480** **Capstone Colloquium: The Business of News**

**JOUR480** *(PermReq)* **Capstone Colloquium: The Business of News; (1 credit)** Grade Method: REG/P-F/AUD.
*Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism; and junior standing or higher; and permission of JOUR-Philip Merrill College of Journalism.*
Students will learn the basic news business concepts and examine how revenue and cost structures for media businesses are evolving in new directions. Topics include basic principles and concepts that drive media businesses in the Internet age, including revenue sources, dynamics of online advertising and subscriptions, mobile media strategies, user metrics, engaging audiences, and market dynamics.

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| 0101 | Leslie Walker<br>**Meets January 23, 2013 - March 16, 2013**<br>Tu 6:30pm - 8:10pm | Seats (Total: 60)<br><br>KNI 1208 |
| 0201 | Leslie Walker<br>**Meets March 17, 2013 - May 9, 2013**<br>M 6:30pm - 8:10pm | Seats (Total: 60)<br><br>KNI 1208 |

**JOUR532** **Humphrey Seminar II**

**JOUR532** *(PermReq)* **Humphrey Seminar II; (2 credits)** Grade Method: REG.
Introduction to professional development, networking opportunities and practical experiences as a foreign journalist.

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| 0101 | Lucinda Fleeson<br>F 10:00am - 1:00pm | Seats (Total: 12)<br>KNI 1103 |

**JOUR620** **Public Affairs Reporting**

**JOUR620** *(PermReq)* **Public Affairs Reporting; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: JOUR501; or permission of JOUR-Philip Merrill College of Journalism.*
Designed to add to and sharpen the skills learned in JOUR501. It is primarily an introduction to "beat" reporting that allows students to sample the most common new beats while reporting and writing on deadline. Students are required to develop and hone their multimedia skills by reporting in a variety of media.

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|---|---|---|
| 0101 | Carl Stepp<br>MW 10:00am - 11:50am | Seats (Total: 18)<br>KNI 1101 |

**JOUR623** **Mobile Journalism**

**JOUR623 Mobile Journalism; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Students must have basic computer skills. Credit only granted for: JOUR689M or JOUR623. Formerly: JOUR689M.* A review of several mobile applications and the "hands-on" skills needed to collect and share news in the field. First, students learn how to remotely post information to blogs and social networks. Students then learn and practice the latest location-based production techniques using web services on wireless laptops and mobile devices. Students use laptops (and their own "SmartPhone") to record, edit and upload audio and video.

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| PCJ1 | Ronald Yaros | Seats (Total: 15) |
| | Sa 8:30am - 12:15pm | KNI 1101 |
| | *Restricted to students in Multi-Media Journalism Graduate Certificate Program. No class meeting on Feb. 9, March 23, or March 30t* | |

**JOUR625** **Advanced Capital News Service Bureau**

**JOUR625** *(PermReq)* **Advanced Capital News Service Bureau; (6 credits)** Grade Method: REG/AUD.
*Prerequisite: JOUR620; and permission of JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR625 or JOUR729. Formerly: JOUR729.* Advanced journalism training. Students report as part of College's Capital News Service program. Washington, D.C. Bureau students register for section 0101. Annapolis Bureau students register for section 0201.

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|---|---|---|
| 0101 | Adrianne Flynn | Seats (Total: 10) |
| | Contact instructor or department for details. | |
| 0201 | Rafael Lorente | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**JOUR627** **Urban Affairs Reporting**

**JOUR627** *(PermReq)* **Urban Affairs Reporting; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: JOUR501; and permission of JOUR-Philip Merrill College of Journalism. Corequisite: JOUR620; or permission of JOUR-Philip Merrill College of Journalism. Also offered as: JOUR327. Credit only granted for: JOUR327 or JOUR627.* Students are immersed in coverage of issues affecting cities, working on a semester-long multi-platform reporting project based in Baltimore.

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|---|---|---|
| 0101 | Sandra Banisky<br>M 1:30pm - 4:30pm | Seats (Total: 5)<br>Location: TBA |

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**JOUR628E** **Specialized Topics in News Writing and Reporting; Special Topics in Science, Health and Environment Journalism**

**JOUR628E** *(PermReq)* **Specialized Topics in News Writing and Reporting: Special Topics in Science, Health and Environment Journalism; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR501 or permission of instructor.

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|---|---|---|
| 0101 | Carol Rogers<br>Tu 6:00pm - 8:45pm | Seats (Total: 10)<br>KNI 1109 |

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**JOUR628L** **Specialized Topics in News Writing and Reporting; The Religion Angle**

**JOUR628L** *(PermReq)* **Specialized Topics in News Writing and Reporting: The Religion Angle; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR501 or permission of instructor. Religious beliefs permeate human culture, making it imperative for journalists-regardless of their subject matter-to consider faith angles if they are to more fully understand the complexity of personal, social and political interactions. The globalization of media has only enhanced the need. Students will learn how to spot and sensitively handle religion in a journalistic context.

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| 0101 | Ira Rifkin<br>W 9:00am - 11:45am | Seats (Total: 3)<br>KNI 1206 |

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**JOUR628R** **Specialized Topics in News Writing and Reporting; Business Reporting**

**JOUR628R** *(PermReq)* **Specialized Topics in News Writing and Reporting: Business Reporting; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Robert Matthews<br>W 6:00pm - 8:45pm | Seats (Total: 3)<br>KNI 1105 |

**JOUR652** **Intermediate Multimedia Journalism**

**JOUR652** *(PermReq)* **Intermediate Multimedia Journalism; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: JOUR620 or JOUR603; or students who have taken courses with comparable content may contact the department. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism.* Editing and writing online, using basic Web-coding skills and tools to create news and feature packages for the Internet. New-media issues, including interactivity and individualization, are also to be discussed.

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| 0201 | Mark Young<br>M 7:00pm - 9:45pm | Seats (Total: 18)<br>KNI 2103 |

**JOUR654** **Advanced Interactive Multimedia Storytelling**

**JOUR654** *(PermReq)* **Advanced Interactive Multimedia Storytelling; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: JOUR652; and permission of JOUR-Philip Merrill College of Journalism.* Learning and applying Flash and/or other interactive tools to assemble multiple media (i.e. graphics, video, etc.) to create interactive narratives.

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|---|---|---|
| 0101 | Kristen Novak<br>W 7:00pm - 9:45pm | Seats (Total: 8)<br>KNI 2103 |

**JOUR655** **Advanced Online News Bureau**

**JOUR655** *(PermReq)* **Advanced Online News Bureau; (6 credits)** Grade Method: REG/AUD.
*Prerequisite: JOUR603 or JOUR620; and (JOUR504 and JOUR652). Or permission of JOUR-Philip Merrill College of Journalism.* Advanced online journalism training. Students work as online reporters, editors and producers for a news site. Students also package copy from the print and broadcast news bureaus.

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|---|---|---|
| 0101 | Sean Mussenden<br>Contact instructor or department for details. | Seats (Total: 8) |

**JOUR661** **Television Reporting and Production**

**JOUR661** *(PermReq)* **Television Reporting and Production; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: JOUR603; or students who have taken courses with comparable content may contact the department. Restriction: Must not be in Journalism Studies (Doctoral) program.* Reporting, writing, editing and production of broadcast news.

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|---|---|---|
| 0101 | Bethany Swain, Mark Feldstein<br>MW 2:00pm - 3:50pm | Seats (Total: 3)<br>KNI 2105 |

**JOUR663** **Long Form Broadcast Journalism**

**JOUR663** *(PermReq)* **Long Form Broadcast Journalism; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: JOUR503 or JOUR603; and JOUR661. Or students who have taken courses with comparable content may contact the department. Also offered as: JOUR363. Credit only granted for: JOUR363, JOUR486, or JOUR663. Formerly: JOUR486.* Productions of long form broadcast news reporting, reality videos or documentaries.

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|---|---|---|
| 0101 | Cassandra Clayton<br>W 3:00pm - 5:45pm<br>Contact instructor or department for details. | Seats (Total: 5)<br>KNI 3207 |

**JOUR664** **Radio Broadcasting**

**JOUR664** *(PermReq)* **Radio Broadcasting; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: JOUR501 and JOUR603; or permission of JOUR-Philip Merrill College of Journalism. Restriction: Permission of JOUR-Philip Merrill College of Journalism.* Students apply news reporting skills to prepare and produce a weekly radio news magazine program.

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|---|---|---|
| 0101 | Robert Sachs<br>TuTh 7:00pm - 8:50pm | Seats (Total: 2)<br>KNI 1101 |

**JOUR665** **Patch U:Hyper-Local News Production**

**JOUR665** *(PermReq)* **Patch U:Hyper-Local News Production; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: JOUR501 and JOUR504; or permission of JOUR-Philip Merrill College of Journalism. Corequisite: JOUR620 and JOUR652; or permission of JOUR-Philip Merrill College of Journalism. Restriction: Permission of JOUR-Philip Merrill College of Journalism. Also offered as: JOUR337. Credit only granted for: JOUR389P, JOUR337 or JOUR665.* Patch U: Hyper Local News Production for graduate students.

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|---|---|---|---|
| 0101 | Sonia Dasgupta | Seats (Total: 1) | |
| | Tu 4:00pm - 7:00pm | KNI 2107 | |

**JOUR667** **Broadcast News Bureau**

**JOUR667** *(PermReq)* **Broadcast News Bureau; (6 credits)** Grade Method: REG/AUD.
*Prerequisite: JOUR503; or students who have taken courses with comparable content may contact the department. And permission of JOUR-Philip Merrill College of Journalism.* Advanced broadcast journalism training. Students report as part of the College's Captial News Service program.

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|---|---|---|---|
| 0101 | Susan Katcef | Seats (Total: 6) | |
| | Contact instructor or department for details. | | |

**JOUR668B** **Topics in Broadcasting and Electronic Media; Broadcast Producing**

**JOUR668B** *(PermReq)* **Topics in Broadcasting and Electronic Media: Broadcast Producing; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|---|
| 0101 | Cindy Wright | Seats (Total: 3) | |
| | Tu 7:00pm - 9:00pm | KNI 3207 | |
| | Th 2:00pm - 7:00pm | TWS 0117 | Lab |

**JOUR668V** **Topics in Broadcasting and Electronic Media; Advanced Video Storytelling**

**JOUR668V** *(PermReq)* **Topics in Broadcasting and Electronic Media: Advanced Video Storytelling; (3 credits)** Grade Method: REG/AUD.
Prerequisite: JOUR661 and permission of instructor. Students will learn advanced storytelling, shooting and editing techniques for multi-platform video, using character-driven, natural sound packages to produce in-depth projects on a common theme.

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|---|---|---|
| 0101 | Bethany Swain | Seats (Total: 1) |
| | M 4:00pm - 6:45pm | KNI 2105 |

**JOUR681** **Media Industry Reporting**

**JOUR681** *(PermReq)* **Media Industry Reporting; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: JOUR501; or permission of JOUR-Philip Merrill College of Journalism. Corequisite: JOUR620; or permission of JOUR-Philip Merrill College of Journalism. Restriction: Permission of JOUR-Philip Merrill College of Journalism. Also offered as: JOUR381. Credit only granted for: JOUR381 or JOUR681.* Students hone their reporting and writing skills as they produce work for the Web site of an award-winning professional publication, and immerse themselves in the news industry, which is undergoing dramatic transformation in the digital age.

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|---|---|---|
| 0101 | Rem Rieder | Seats (Total: 2) |
| | Contact instructor or department for details. | |

**JOUR698** **Special Problems in Communication**

**JOUR698** *(PermReq)* **Special Problems in Communication; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**JOUR698I** **Special Problems in Communication; Advanced Public Affairs Reporting/Investigative Journalism**

**JOUR698I** *(PermReq)* **Special Problems in Communication: Advanced Public Affairs Reporting/Investigative Journalism; (3 credits)** Grade Method: REG/AUD. Prerequisites: JOUR501. Students will investigate crumbling cities - urban sinkholes, falling bridges, exploding gas lines- and work in teams to produce multimedia stories for publication/broadcast.

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|---|---|---|
| 0101 | Deborah Nelson | Seats (Total: 4) |
| | M 1:00pm - 3:45pm | KNI 1101 |

**JOUR698L** **Special Problems in Communication; Graduate Research Colloquium**

**JOUR698L Special Problems in Communication: Graduate Research Colloquium; (1 credit)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Sarah Oates | Seats (Total: 12) |
| | Contact instructor or department for details. | |

**JOUR700** **Seminar in Media Law**

**JOUR700** *(PermReq)* **Seminar in Media Law; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in one of the following programs (Journalism - Master (Master's); Journalism Studies (Doctoral)) ; or permission of JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR400, JOUR700, or JOUR755. Formerly: JOUR755.* Legal rights and constraints of mass media; libel, privacy, copyright, monopoly, and contempt, and other aspects of the law applied to mass communication.

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|---|---|---|
| 0101 | Diana Huffman | Seats (Total: 1) |
| | TuTh 2:00pm - 3:15pm | KNI 1208 |
| 0201 | Deborah Nelson | Seats (Total: 1) |
| | MW 5:00pm - 6:15pm | KNI 1208 |

**JOUR716** **History of Investigative Journalism**

**JOUR716 History of Investigative Journalism; (3 credits)** Grade Method: REG/AUD.
*Restriction: Permission of instructor.* Graduate students will learn the history of investigative journalism in the U.S., focusing on key time periods from colonial times to the present.

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|---|---|---|
| 0101 | Mark Feldstein | Seats (Total: 10) |
| | M 9:00am - 11:45am | KNI 2109 |

**JOUR762** **Professional Seminar in Public Affairs Reporting**

**JOUR762** *(PermReq)* **Professional Seminar in Public Affairs Reporting; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: JOUR620; and permission of JOUR-Philip Merrill College of Journalism. Restriction: Must not have completed JOUR462.* Examination of theoretical and practical issues in the press coverage of government and public affairs.

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|---|---|---|
| 0101 | Haynes Johnson<br>M 9:00am - 11:45am | Seats (Total: 10)<br>KNI 1206 |

**JOUR772** **Methods in Computer-Assisted Reporting**

**JOUR772** *(PermReq)* **Methods in Computer-Assisted Reporting; (3 credits)** Grade Method: REG.
*Prerequisite: Must have completed or be concurrently enrolled in JOUR501; or students who have taken courses with comparable content may contact the department.* Computer-assisted (database) journalism; obtaining, manipulating and analyzing complex government data for journalism projects. Contact instructor to obtain permission.

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|---|---|---|
| 0101 | Daniel Keating<br>MW 8:00am - 9:50am | Seats (Total: 18)<br>KNI 1101 |

**JOUR776** **Qualitative Research Methods in Journalism and Public Communication**

**JOUR776 Qualitative Research Methods in Journalism and Public Communication; (3 credits)** Grade Method: REG/AUD.
*Credit only granted for: JOUR711 or JOUR776. Formerly: JOUR711.* Methods of historical, critical and field research in journalism and public communication. Formulation of significant research questions, systematic collection of bibliographic and phenomenal information, formulating substanial claims, organizing and writing research for disciplinary outlets.

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|---|---|---|
| 0101 | Linda Steiner<br>Tu 4:15pm - 7:00pm | Seats (Total: 8)<br>KNI 2109 |

**JOUR779X** **Seminar in Research Problems; Researching New Media Audiences and Complex Information**

**JOUR779X Seminar in Research Problems: Researching New Media Audiences and Complex Information; (3 credits)** Grade Method: REG/AUD.
Graduate students from other units on campus should obtain the instructor's permission to enroll. Based on a foundation of new media theory, this quantitative-based seminar engages students in research design and data collection to investigate the interactions of digital audiences and complex news issues.

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| 0101 | Ronald Yaros<br>MW 2:00pm - 3:50pm | Seats (Total: 8)<br>KNI 2109 |

**JOUR798** **Master's Professional Fieldwork**

**JOUR798** *(PermReq)* **Master's Professional Fieldwork; (1-6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**JOUR799** **Master's Thesis Research**

**JOUR799 Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**JOUR801** **Advanced Public Communication Theory**

**JOUR801 Advanced Public Communication Theory; (3 credits)** Grade Method: REG.
*Prerequisite: JOUR601; or students who have taken courses with comparable content may contact the department. Credit only granted for: JOUR601 or JOUR801.*
Advanced selected survey of communication & media theory.

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| 0101 | Kalyani Chadha<br>W 9:00am - 11:45am | Seats (Total: 12)<br>KNI 2109 |

**JOUR888** **Doctoral Professional Field Work**

**JOUR888 Doctoral Professional Field Work; (3-9 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**JOUR889** **Doctoral Tutorial in Journalism and Public Communication**

**JOUR889 Doctoral Tutorial in Journalism and Public Communication; (3-9 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**JOUR898** **Pre-Candidacy Research**

**JOUR898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**JOUR899** **Doctoral Dissertation Research in Journalism and Mass Communication**

**JOUR899** *(PermReq)* **Doctoral Dissertation Research in Journalism and Mass Communication; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

## JWST Jewish Studies Spring 2013

**JWST219B** **Special Topics in Jewish Studies; Introduction to Modern Israel**

**JWST219B Special Topics in Jewish Studies: Introduction to Modern Israel; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as ISRL142. Credit will be granted for one of the followin g: ISRL142 or JWST219B. An introduction to the history, politics, culture and society of modern Israel.

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| 0101 | Joseph Ringel | Seats (Total: 40) |
| | TuTh 9:30am - 10:45am | TYD 2111 |

**JWST219C** **Special Topics in Jewish Studies; Contemporary Israel: History and Society**
**Contact department for information to register for this course.**

**JWST219D** **Special Topics in Jewish Studies; Women in Israel**
**Contact department for information to register for this course.**

**JWST219E** **Special Topics in Jewish Studies; Writing Israel**
**Contact department for information to register for this course.**

**JWST225** **Religions of the Ancient Near East**

**JWST225 Religions of the Ancient Near East; (3 credits)** Grade Method: REG/P-F/AUD.
Introduction to ancient Near Eastern religious systems and mythology, from the third millennium BCE through the fourth century BCE. Particular emphasis on Mesopotamia and ancient Israel. Also offered as HIST219I or RELS219A. Credit will be granted for one of the following: HIST219I, JWST225 or RELS219A.

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| 0101 | Matthew Suriano<br>TuTh 12:30pm - 1:45pm | Seats (Total: 30)<br>SQH 1117 | |

**JWST235** **History of the Jewish People II**

**JWST235 History of the Jewish People II; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
*Credit only granted for: HIST283, HIST283H, JWST235, or JWST235H.* Political, economic, social and cultural development within Jewish history from the end of the Middle Ages to the present. Special attention to the twentieth century developments including the Nazi Holocaust and its aftermath, the Zionist movement and the creation of the State of Israel, and the rise of the contemporary American-Jewish community. Also offered as HIST283.

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|---|---|---|---|
| 0101 | Bernard Cooperman<br>MW 10:00am - 10:50am<br>M 11:00am - 11:50am | Seats (Total: 20)<br>KEY 0106<br>KEY 0123 | <br><br>Discussion |
| 0102 | Bernard Cooperman<br>MW 10:00am - 10:50am<br>M 1:00pm - 1:50pm | Seats (Total: 20)<br>KEY 0106<br>SYM 0209 | <br><br>Discussion |
| 0105 | Bernard Cooperman<br>MW 10:00am - 10:50am<br>Tu 9:30am - 10:20am | Seats (Total: 20)<br>KEY 0106<br>JMZ 0120 | <br><br>Discussion |
| 0106 | Bernard Cooperman<br>MW 10:00am - 10:50am<br>Tu 11:00am - 11:50am | Seats (Total: 20)<br>KEY 0106<br>SQH 2121 | <br><br>Discussion |

**JWST235H** **History of the Jewish People II**

**JWST235H History of the Jewish People II; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
*Credit only granted for: HIST283, HIST283H, JWST235, or JWST235H.* Political, economic, social and cultural development within Jewish history from the end of the Middle Ages to the present. Special attention to the twentieth century developments including the Nazi Holocaust and its aftermath, the Zionist movement and the creation of the State of Israel, and the rise of the contemporary American-Jewish community. Also offered as HIST283H.

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| 0101 | Bernard Cooperman<br>MW 10:00am - 10:50am<br>Contact instructor or department for details. | Seats (Total: 20)<br>KEY 0106 |

**JWST262** **The Hebrew Bible: Narrative**
**Contact department for information to register for this course.**

**JWST272** **Introduction to Jewish Literature**

**JWST272 Introduction to Jewish Literature; (3 credits)** Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. GenEd: Distributive Studies - Humanities.
*Formerly: HEBR231.* A survey of Jewish literature and introduction to methods of reading literature in general and Jewish literature in particular. Concern with what makes a literary corpus Jewish and other issues of canonicity. All texts in English translation.

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| 0101 | Agnieszka Legutko<br>TuTh 11:00am - 12:15pm | Seats (Total: 40)<br>SQH 1101 |

**JWST281** **Yiddish I**

**JWST281 Yiddish I; (3 credits)** Grade Method: REG/P-F/AUD.
Introduction to the Yiddish language, with emphasis on speaking, reading, and writing skills. Students will also learn the history of the language, its significance to Jewish culture, its origins and basic structure. Also offered as GERM149Y.

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| 0101 | Agnieszka Legutko<br>TuTh 12:30pm - 1:45pm | Seats (Total: 20)<br>SQH 1123 |

**JWST289J** **Jerusalem in Antiquity: The History of Sacred Space in a Holy City**

**JWST289J Jerusalem in Antiquity: The History of Sacred Space in a Holy City; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.
The questions of sacred space through the topic of Jerusalem are explored. The study of Jerusalem's history as a holy city reveals the many ways by which sacred space is constructed. It will also examine the development of places that continue to hold great sanctity in Judaism (the Western Wall), Christianity (the Church of the Holy Sepulchre and the Mount of Olives), and Islam (the Dome of the Rock and the Al-Aqsa Mosque on the Haram ash-Sharif).

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| 0101 | Matthew Suriano<br>TuTh 2:00pm - 2:50pm<br>Tu 3:00pm - 3:50pm | Seats (Total: 22)<br>SYM 0200<br>PLS 1168 | <br><br>Discussion |
| 0102 | Matthew Suriano<br>TuTh 2:00pm - 2:50pm<br>Th 4:00pm - 4:50pm | Seats (Total: 22)<br>SYM 0200<br>ASY 3217 | <br><br>Discussion |
| 0103 | Matthew Suriano<br>TuTh 2:00pm - 2:50pm<br>Th 3:00pm - 3:50pm | Seats (Total: 22)<br>SYM 0200<br>PLS 1168 | <br><br>Discussion |

**JWST299C** **Independent Study in Jewish Studies; Modern Jewish History in Film**

**JWST299C Independent Study in Jewish Studies: Modern Jewish History in Film; (1 credit)** Grade Method: REG/P-F/AUD.
Pre- or corequisite: HIST283/JWST235 and HIST283H/JWST235H or permission of instructor. Also offered as HIST299C and ISRL299C. Credit will be granted for only one of the following: HIST299C, ISRL299C or JWST299C.

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| 0101 | Bernard Cooperman<br>W 4:00pm - 6:00pm | Seats (Total: 20)<br>SKN 1112 | |

**JWST319B** **Special Topics in Jewish Studies; Arab-Israeli Relations**
**Contact department for information to register for this course.**

**JWST319C** **Special Topics in Jewish Studies; Women and Jewish Literature**

**JWST319C Special Topics in Jewish Studies: Women and Jewish Literature; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as ENGL348J and WMST348J. Credit will be granted for only one of the following: ENGL348J, JWST319C, or WMST348J.

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|---|---|---|---|
| 0101 | Rachel Jablon<br>Class time/details on ELMs | Seats (Total: 30)<br>ONLINE | |

**JWST319E** **Special Topics in Jewish Studies; Literature of the Shoah**
**Contact department for information to register for this course.**

**JWST319T** **Special Topics in Jewish Studies; American Jewish Literature**

**JWST319T Special Topics in Jewish Studies: American Jewish Literature; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as ENGL379L. Credit will be granted for one of the following: ENGL379L or JWST319T.

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|---|---|---|---|
| 0101 | Rachel Jablon<br>Class time/details on ELMs | Seats (Total: 30)<br>ONLINE | |

**JWST345** **The Holocaust of European Jewry**

**JWST345 The Holocaust of European Jewry; (3 credits)** Grade Method: REG/P-F/AUD.
*Also offered as: HIST307. Credit only granted for: HIST307 or JWST345.* Roots of Nazi Jewish policy in the 1930s and during World War II: the process of destruction and the implementation of the "final solution of the Jewish problem" in Europe, and the responses made by the Jews to their concentration and annihilation.

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| 0101 | Marsha Rozenblit<br>MW 1:00pm - 1:50pm<br>M 12:00pm - 12:50pm | Seats (Total: 20)<br>KEY 0102<br>WDS 0104 | <br><br>Discussion |
| 0102 | Marsha Rozenblit<br>MW 1:00pm - 1:50pm<br>M 2:00pm - 2:50pm | Seats (Total: 20)<br>KEY 0102<br>JMZ 0208 | <br><br>Discussion |

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|---|---|---|---|
| 0103 | Marsha Rozenblit<br>MW 1:00pm - 1:50pm<br>W 12:00pm - 12:50pm | Seats (Total: 20)<br>KEY 0102<br>WDS 0104 | Discussion |
| 0104 | Marsha Rozenblit<br>MW 1:00pm - 1:50pm<br>W 2:00pm - 2:50pm | Seats (Total: 20)<br>KEY 0102<br>JMZ 0208 | Discussion |

**JWST369J** **Special Topics in Study Abroad III; Contemprary Jewish Thought**
**Contact department for information to register for this course.**

**JWST370** **Jews of Eastern Europe**

**JWST370 Jews of Eastern Europe; (3 credits)** Grade Method: REG/P-F/AUD.
*Credit only granted for: JWST419E, JWST370, or HIST419Q. Formerly: JWST419E.*
An exploration of the history of the Jews of Eastern Europe from the period of the Polish Lithuanian Commonwealth until the Holocaust. Topics to be covered include religious, political, social, and cultural transformation of Jewish life in Eastern Europe in the context of the general political changes in the area. Also offered as HIST419Q.

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| 0101 | Eliyana Adler<br>TuTh 2:00pm - 3:15pm | Seats (Total: 30)<br>TYD 2111 | |

**JWST409C** **Research Seminar in Jewish Studies; Construction of Jewish Knowledge**

**JWST409C** *(PermReq)* **Research Seminar in Jewish Studies: Construction of Jewish Knowledge; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Permission of the department.

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| 0101 | Bernard Cooperman<br>M 2:00pm - 4:00pm<br>Contact instructor or department for details. | Seats (Total: 5)<br>TLF 2108 | |

**JWST418** **Honors Thesis Research in Jewish Studies**

**JWST418 Honors Thesis Research in Jewish Studies; (3 credits)** Grade Method: REG.

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|---|---|---|---|
| 0101 | Rachel Manekin<br>Contact instructor or department for details. | Seats (Total: 1) | |

**JWST419A** **Special Topics in Jewish Studies; Gender and Autobiography in Modern Jewish History**

**JWST419A Special Topics in Jewish Studies: Gender and Autobiography in Modern Jewish History; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as HIST419A and WMST498K. Credit will be granted for only one of the following: JWST419A, HIST419A, or WMST498K.

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|---|---|---|
| 0101 | Eliyana Adler | Seats (Total: 30) |
| | Tu 3:30pm - 6:00pm | TYD 0101 |

**JWST419F** **Special Topics in Jewish Studies; History of the Hebrew Language**

**JWST419F Special Topics in Jewish Studies: History of the Hebrew Language; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: HEBR211 or equivalent or permission of instructor. Also offered as HEBR498B. This course is taught in Hebrew.

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|---|---|---|
| 0101 | Einat Gonen | Seats (Total: 35) |
| | Class time/details on ELMs | ONLINE |

**JWST419Y** **Special Topics in Jewish Studies; Advanced Yiddish Language and Culture**

**JWST419Y** *(PermReq)* **Special Topics in Jewish Studies: Advanced Yiddish Language and Culture; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: Intermediate level Yiddish or permission of Instructor.

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|---|---|---|
| 0101 | Agnieszka Legutko | Seats (Total: 6) |
| | Th 3:00pm - 5:30pm | CHM 1224 |

**JWST429A** **Advanced Topics in Jewish Studies; History of the Jewish Communities in the Lands of Islam During Modern Times**

**JWST429A Advanced Topics in Jewish Studies: History of the Jewish Communities in the Lands of Islam During Modern Times; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as HIST428W and ISRL449R. Credit will be granted for HIST428W, ISRL449R, or JWST429A. The history of the Jewish communities of the lands of Islam from the time of Muhammad until the present day.

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| 0101 | Joseph Ringel<br>TuTh 12:30pm - 1:45pm | Seats (Total: 40)<br>CSS 2428 |

**JWST429R** **Advanced Topics in Jewish Studies; Modern Hebrew Poetry**

**JWST429R Advanced Topics in Jewish Studies: Modern Hebrew Poetry; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as HEBR498P and ISRL449P. Credit will be granted for only one of the following: JWST429R, ISRL449P, or HEBR498P. Taught in Hebrew.

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|---|---|---|
| 0101 | Eric Zakim<br>TuTh 11:00am - 12:15pm | Seats (Total: 15)<br>JMZ 2117 |

**JWST469F** **Readings in Rabbinic Hebrew; Early Rabbinic Law**

**JWST469F Readings in Rabbinic Hebrew: Early Rabbinic Law; (3 credits)** Grade Method: REG/P-F/AUD.
Texts taught in Hebrew. Prerequisite: HEBR313 or permission of instructor. Also offered as HIST419F. Credit will be granted for only one of the following: HIST419F or JWST469F.

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|---|---|---|
| 0101 | Hayim Lapin<br>W 4:00pm - 6:30pm | Seats (Total: 30)<br>TLF 1101 |

**JWST491** **Judaism and the Construction of Gender**

**JWST491 Judaism and the Construction of Gender; (3 credits)** Grade Method: REG/P-F/AUD.
*Credit only granted for: JWST419X, JWST491, or WMST491. Formerly: JWST419X.*
The study of Jewish culture, religious practice, communal authority, and literature through the frame of such critical categories of analysis as gender, sexuality, masculinity, power, ethics, and the feminine. Also offered as WMST498T.

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|---|---|---|
| 0101 | Maxine Grossman<br>TuTh 2:00pm - 3:15pm | Seats (Total: 25)<br>SYM 0215 |

**JWST499** **Independent Study in Jewish Studies; Independent Study in Jewish Studies**

**JWST499** *(PermReq)* **Independent Study in Jewish Studies: Independent Study in Jewish Studies; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

**Contact department for information to register for this course.**

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**JWST609** **Supervised Instruction-Practicum in Jewish Studies; Hebrew Instruction Practicum**

**JWST609** *(PermReq)* **Supervised Instruction-Practicum in Jewish Studies: Hebrew Instruction Practicum; (1 credit)** Grade Method: S-F.
Prerequisite: permission of department.

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|---|---|---|
| 0110 | Avital Feuer<br>Contact instructor or department for details. | Seats (Total: 5) |
| 1102 | Eric Zakim<br>Contact instructor or department for details. | Seats (Total: 5) |

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**JWST619** **Directed Readings in Jewish Studies**

**JWST619** *(PermReq)* **Directed Readings in Jewish Studies; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

**Contact department for information to register for this course.**

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**JWST619A** **Directed Readings in Jewish Studies; Gender and Autobiography in Modern Jewish History**

**JWST619A Directed Readings in Jewish Studies: Gender and Autobiography in Modern Jewish History; (3 credits)** Grade Method: REG.

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|---|---|---|
| 0101 | Eliyana Adler<br>Tu 3:30pm - 6:00pm | Seats (Total: 1)<br>TYD 0101 |

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**JWST619Q** **Directed Readings in Jewish Studies; History of the Hebrew Language**

**JWST619Q** *(PermReq)* **Directed Readings in Jewish Studies: History of the Hebrew Language; (3 credits)** Grade Method: REG.
Prerequisite: HEBR313 or equivalent; and permission of department. Taught in Hebrew.

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|---|---|---|---|
| 0101 | Einat Gonen | Seats (Total: 20) | |
| | Class time/details on ELMs | ONLINE | |

**JWST699** **Independent Graduate Readings in Jewish Studies**

**JWST699 Independent Graduate Readings in Jewish Studies; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**JWST799** **Masters Thesis Research**

**JWST799** *(PermReq)* **Masters Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

**Contact department for information to register for this course.**

# KNES Kinesiology Spring 2013

**KNES100O** **Physical Education Activities: Coed; Basketball (Intermediate)**

**KNES100O Physical Education Activities: Coed: Basketball (Intermediate); (2 credits)** Grade Method: REG/P-F.
Attendance is required on the first day of class.

| | | | |
|---|---|---|---|
| 0001 | Jonathan Dillard | Seats (Total: 40) | |
| | MW 10:00am - 12:00pm | ERC 0135 | Lab |
| 0002 | Jonathan Dillard | Seats (Total: 40) | |
| | MW 12:00pm - 2:00pm | ERC 0135 | Lab |
| 0003 | Andrew Ginsberg | Seats (Total: 40) | |
| | TuTh 12:00pm - 2:00pm | ERC 0135 | Lab |

**KNES131O** **Physical Education Activities: Coed; Jogging (Intermediate)**

**KNES131O Physical Education Activities: Coed: Jogging (Intermediate); (2 credits)** Grade Method: REG/P-F.
Prerequisite: KNES 131V or 10k experience. One weekend event expected. Attendence is required the first day of class.

| | | | |
|---|---|---|---|
| 0001 | Theresa Smith | Seats (Total: 40) | |
| | TuTh 2:00pm - 4:00pm | COL 1100D | Lab |

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**KNES131V** **Physical Education Activities: Coed; Jogging (Beginning)**

**KNES131V Physical Education Activities: Coed: Jogging (Beginning); (2 credits)**
Grade Method: REG/P-F.
Attendance is required on the first day of class.

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|---|---|---|---|
| 0002 | Theresa Smith | Seats (Total: 60) | |
| | MW 2:00pm - 4:00pm | COL 1100D | Lab |

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**KNES131Z** **Physical Education Activities: Coed; Beginning Softball**

**KNES131Z Physical Education Activities: Coed: Beginning Softball; (1 credit)**
Grade Method: REG/P-F.
Attendance is required of all students the first day in Ritchie Arena (1100), thereafter the class will meet on the ENGR Fields. Schedule adjustment is the first week of class only.

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|---|---|---|---|
| 0001 | Adam Amorese, Dapeng Chen | Seats (Total: 25) | |
| | **Meets March 25, 2013 - May 9, 2013** | | |
| | TuTh 1:00pm - 3:00pm | ENGR FIELD | Lab |

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**KNES132N** **Physical Education Activities: Coed; Badminton (Beginning)**

**KNES132N Physical Education Activities: Coed: Badminton (Beginning); (1 credit)** Grade Method: REG/P-F.
Attendance is required on the first day of class. Schedule adjustment is the first week of class only.

| | | | |
|---|---|---|---|
| 0001 | Andrew Ginsberg | Seats (Total: 24) | |
| | **Meets January 23, 2013 - March 15, 2013** | | |
| | MW 12:00pm - 2:00pm | SPH 2101 | Lab |

| | | | |
|---|---|---|---|
| 0002 | Andrew Ginsberg | Seats (Total: 24) | |
| | **Meets January 23, 2013 - March 15, 2013** | | |
| | MW 2:00pm - 4:00pm | SPH 2101 | Lab |

**KNES134O** **Physical Education Activities: Coed; Bowling (Intermediate)**

**KNES134O Physical Education Activities: Coed: Bowling (Intermediate); (1 credit)** Grade Method: REG/P-F.
Attendance is required the first day of class. Students must pay a $40 facility fee plus bowling shoes are required. Schedule adjustment is the first week of class only.

| | | | |
|---|---|---|---|
| 0001 | Kevin Alexander | Seats (Total: 40) | |
| | **Meets March 25, 2013 - May 9, 2013** | | |
| | TuTh 8:00am - 10:00am | SSU B106 | Lab |
| 0002 | Kevin Alexander | Seats (Total: 40) | |
| | **Meets January 23, 2013 - March 15, 2013** | | |
| | TuTh 8:00am - 10:00am | SSU B106 | Lab |

**KNES140O** **Physical Education Activities: Coed; Tumbling and Balancing (Intermediate)**

**KNES140O Physical Education Activities: Coed: Tumbling and Balancing (Intermediate); (1 credit)** Grade Method: REG.
Attendance is required on the first day of class. Schedule Adjustment is the first week of class only.

| | | | |
|---|---|---|---|
| 0001 | Joshua Montfort | Seats (Total: 25) | |
| | **Meets March 25, 2013 - May 9, 2013** | | |
| | TuTh 10:00am - 12:00pm | SPH 1120 | Lab |

**KNES140R** **Physical Education Activities: Coed; Trampoline (Beginning)**

**KNES140R Physical Education Activities: Coed: Trampoline (Beginning); (1 credit)** Grade Method: REG/P-F.
Attendance is required on the first day of class. Scheduled adjustment is the first week of classes only. Formerly: KNES140S.

| | | | |
|---|---|---|---|
| 0001 | Joshua Montfort | Seats (Total: 25) | |
| | **Meets January 23, 2013 - March 15, 2013** | | |
| | MW 10:00am - 12:00pm | SPH 1120 | Lab |

**KNES140V** **Physical Education Activities: Coed; Tumbling and Balancing (Beginning)**

**KNES140V Physical Education Activities: Coed: Tumbling and Balancing (Beginning); (1 credit)** Grade Method: REG/P-F.
Attendance is required on the first day of class. Schedule Adjustment is the first week of class only.

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|---|---|---|---|
| 0001 | Brittany Epps | Seats (Total: 25) | |
| | **Meets January 23, 2013 - March 15, 2013** | | |
| | TuTh 10:00am - 12:00pm | SPH 1120 | Lab |

**KNES144Q** **Physical Education Activities: Coed; Martial Arts, Karate (Beginning)**

**KNES144Q Physical Education Activities: Coed: Martial Arts, Karate (Beginning); (2 credits)** Grade Method: REG/P-F.
Attendance is required on the first day of class.

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|---|---|---|---|
| 0001 | Kenneth Klotz | Seats (Total: 35) | |
| | MW 12:00pm - 2:00pm | SPH 0107 | Lab |

**KNES144R** **Physical Education Activities: Coed; Karate (Intermediate)**

**KNES144R Physical Education Activities: Coed: Karate (Intermediate); (2 credits)** Grade Method: REG/P-F.
Attendance is required on the first day of class.

| | | | |
|---|---|---|---|
| 0001 | Kenneth Klotz | Seats (Total: 35) | |
| | MW 10:00am - 12:00pm | SPH 0107 | Lab |

**KNES144T** **Physical Education Activities: Coed; Self-Defense**

**KNES144T Physical Education Activities: Coed: Self-Defense; (2 credits)** Grade Method: REG/P-F.
Attendance is required on the first day of class.

| | | | |
|---|---|---|---|
| 0001 | Kenneth Klotz | Seats (Total: 35) | |
| | MW 8:00am - 10:00am | SPH 0107 | Lab |

**KNES152O** **Physical Education Activities: Coed; Soccer (Intermediate)**

**KNES152O Physical Education Activities: Coed: Soccer (Intermediate); (1 credit)**
Grade Method: REG/P-F.
Schedule adjustment is the first week of class only. Attendance is required on the first day of class.

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|---|---|---|---|
| 0001 | Andrew Ginsberg | Seats (Total: 24) | |
| | **Meets March 25, 2013 - May 9, 2013** | | |
| | MW 10:00am - 12:00pm | COL 1110D | Lab |
| 0002 | Andrew Ginsberg | Seats (Total: 24) | |
| | **Meets January 23, 2013 - March 12, 2013** | | |
| | MW 10:00am - 12:00pm | COL 1110D | Lab |

**KNES154N** **Physical Education Activities: Coed; Swimming (Beginning)**

**KNES154N Physical Education Activities: Coed: Swimming (Beginning); (1 credit)** Grade Method: REG/P-F.
Attendance is required on the first day of class.

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|---|---|---|---|
| 0001 | Carrie Tupper | Seats (Total: 22) | |
| | TuTh 8:00am - 9:15am | ERC B0120 | Lab |

**KNES154O** **Physical Education Activities: Coed; Swimming (Intermediate)**

**KNES154O Physical Education Activities: Coed: Swimming (Intermediate); (1 credit)** Grade Method: REG/P-F.
Attendance is required on the first day of class.

| | | | |
|---|---|---|---|
| 0001 | Natalie Ferdinand | Seats (Total: 22) | |
| | MW 1:00pm - 2:15pm | ERC B0120 | Lab |

**KNES154P** **Physical Education Activities: Coed; Swimming (Advanced)**

**KNES154P Physical Education Activities: Coed: Swimming (Advanced); (2 credits)** Grade Method: REG/P-F.
Attendance is required on the first day of class.

| | | | |
|---|---|---|---|
| 0001 | Natalie Ferdinand | Seats (Total: 22) | |
| | MW 9:00am - 11:00am | ERC B01020 | Lab |

**KNES154T** **Physical Education Activities: Coed; Swimming, Fitness (Beginning)**

**KNES154T Physical Education Activities: Coed: Swimming, Fitness (Beginning); (1 credit)** Grade Method: REG/P-F.
Attendance is required on the first day of class.

| | | | |
|---|---|---|---|
| 0001 | Carrie Tupper | Seats (Total: 22) | |
| | TuTh 9:30am - 10:45am | ERC B0120 | Lab |

**KNES154W** **Physical Education Activities: Coed; Swimming/Lifeguard Training**

**KNES154W Physical Education Activities: Coed: Swimming/Lifeguard Training; (2 credits)** Grade Method: REG/P-F.
Attendance is required on the first day of class.

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|---|---|---|---|
| 0001 | Christopher Whipple | Seats (Total: 20) | |
| | MW 8:00am - 10:00am | ERC B0120 | Lab |

**KNES157N** **Physical Education Activities: Coed; Weight Training (Beginning)**

**KNES157N Physical Education Activities: Coed: Weight Training (Beginning); (1 credit)** Grade Method: REG/P-F.
Attendance is required on the first day of class.

| | | | |
|---|---|---|---|
| 0001 | Kristi Tredway | Seats (Total: 32) | |
| | MW 1:00pm - 2:15pm | SPH 0103 | Lab |
| 0002 | Kristi Tredway | Seats (Total: 32) | |
| | MW 11:00am - 12:15pm | SPH 0103 | Lab |
| 0003 | Dapeng Chen | Seats (Total: 32) | |
| | TuTh 2:00pm - 3:15pm | SPH 0103 | Lab |

**KNES157O** **Physical Education Activities: Coed; Weight Training (Intermediate)**

**KNES157O Physical Education Activities: Coed: Weight Training (Intermediate); (1 credit)** Grade Method: REG/P-F.
Attendance is required on the first day of class.

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|---|---|---|---|
| 0001 | Adam Amorese<br>MW 12:00pm - 1:15pm | Seats (Total: 32)<br>SPH 0103 | Lab |
| 0002 | Dapeng Chen<br>TuTh 12:00pm - 1:15pm | Seats (Total: 32)<br>SPH 0103 | Lab |
| 0003 | Dapeng Chen<br>MW 3:00pm - 4:15pm | Seats (Total: 32)<br>SPH 0103 | Lab |
| 0004 | Adam Amorese<br>MW 2:00pm - 3:15pm | Seats (Total: 32)<br>SPH 0103 | Lab |
| 0005 | Adam Amorese<br>TuTh 11:00am - 12:15pm | Seats (Total: 32)<br>SPH 0103 | Lab |

**KNES161G** **Physical Education Activities: Coed; Yoga for Fitness (Intermediate)**

**KNES161G Physical Education Activities: Coed: Yoga for Fitness (Intermediate); (1 credit)** Grade Method: REG/P-F.
Attendance is required beginning the first day of class.

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|---|---|---|---|
| 0001 | Laura Rush<br>TuTh 3:00pm - 4:15pm | Seats (Total: 30)<br>SPH 0128 | |

**KNES161K** **Physical Education Activities: Coed; Cardio Kickboxing (Beginning)**

**KNES161K Physical Education Activities: Coed: Cardio Kickboxing (Beginning); (2 credits)** Grade Method: REG/P-F.
Attendance is required beginning the first day of class

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|---|---|---|---|
| 0001 | Laura Rush<br>TuTh 1:00pm - 3:00pm | Seats (Total: 50)<br>ERC 0105 | Lab |
| | *For KNES majors only. Attendance is required beginning the first day o class.* | | |

**KNES161N** **Physical Education Activities: Coed; Conditioning (Beginning)**

**KNES161N Physical Education Activities: Coed: Conditioning (Beginning); (1 credit)** Grade Method: REG/P-F.
Schedule Adjustment is the first week of classes only. Attendance is required on the first day of class.

| | | | |
|---|---|---|---|
| 0001 | Andrew Ginsberg | Seats (Total: 32) | |
| | **Meets March 25, 2013 - May 9, 2013** | | |
| | MW 12:00pm - 2:00pm | SPH 2101 | Lab |

**KNES161O** **Physical Education Activities: Coed; Conditioning (Intermediate)**

**KNES161O Physical Education Activities: Coed: Conditioning (Intermediate); (1 credit)** Grade Method: REG/P-F.
Attendance is required on the first day of class. Schedule adjustment is the first week of class only.

| | | |
|---|---|---|
| 0001 | Andrew Ginsberg | Seats (Total: 32) |
| | **Meets March 25, 2013 - May 9, 2013** | |
| | MW 2:00pm - 4:00pm | SPH 2101 |

**KNES161T** **Physical Education Activities: Coed; Yoga**

**KNES161T Physical Education Activities: Coed: Yoga; (1 credit)** Grade Method: REG/P-F.
Attendance on the first day of class is mandatory.

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|---|---|---|
| 0001 | Anne Contee | Seats (Total: 30) |
| | MW 8:00am - 9:15am | SPH 0128 |
| 0002 | Anne Contee | Seats (Total: 30) |
| | MW 9:00am - 10:15am | SPH 0128 |

**KNES161V** **Physical Education Activities: Coed; Step Aerobics (Intermediate)**

**KNES161V Physical Education Activities: Coed: Step Aerobics (Intermediate); (2 credits)** Grade Method: REG.
Attendance is required on the first day of class.

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|---|---|---|---|
| 0001 | Jennie Phillips<br>TuTh 9:00am - 11:00am | Seats (Total: 40)<br>ERC 0105 | Lab |

**KNES240** **Exploring Cultural Diversity Through Movement**

**KNES240 Exploring Cultural Diversity Through Movement; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Cultural Competency.
Cultural diversity through an analysis of the different meanings that movement activities serve within different cultural groups. Students will examine how cultural affiliations can influence why and how members of different cultural groups engage in movement activities.

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|---|---|---|---|
| 0101 | Marvin Scott<br>TuTh 9:30am - 10:45am | Seats (Total: 35)<br>EDU 1121 | |

**KNES260** **Science of Physical Activity and Cardiovascular Health**

**KNES260 Science of Physical Activity and Cardiovascular Health; (3 credits)** Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. GenEd: Distributive Studies - Natural Sciences.
Course details (1) the public health importance of and the processes underlying cardiovascular disease, (2) the risk factors for cardiovascular disease and the methods whereby they were identified, and (3) the principles of the scientific evidence supporting the use of physical activity to prevent cardiovascular disease.

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|---|---|---|---|
| 0101 | Jennie Phillips<br>MW 4:00pm - 4:50pm<br>M 8:00am - 8:50am | Seats (Total: 18)<br>SPH 1303<br>SPH 0223 | <br><br>Discussion |
| 0102 | Jennie Phillips<br>MW 4:00pm - 4:50pm<br>M 9:00am - 9:50am | Seats (Total: 18)<br>SPH 1303<br>SPH 0223 | <br><br>Discussion |
| 0103 | Jennie Phillips<br>MW 4:00pm - 4:50pm<br>M 10:00am - 10:50am | Seats (Total: 18)<br>SPH 1303<br>SPH 0223 | <br><br>Discussion |

| | | | |
|---|---|---|---|
| 0104 | Jennie Phillips<br>MW 4:00pm - 4:50pm<br>M 11:00am - 11:50am | Seats (Total: 18)<br>SPH 1303<br>SPH 0223 | Discussion |

**KNES287** **Sport and American Society**

**KNES287 Sport and American Society; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Sport will be related to such social problems as delinquency, segregation, collective behavior, and leisure; to social processes such as socialization, stratification, mobility, and social control; and to those familiar social institutions the family, the school, the church, the military, the economy, the polity, and the mass media. A critical public health perspective will be used to unpack the term 'he alth' and to investigate the role of physical activity and inactivity in relation to health and well-being. Also examined will be past and curren t perspectives on health promotion and health education, with a focus on how education and social policies and approaches can be both health pro moting and health compromising for various populations. KNES287 as prere quisite.

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|---|---|---|---|
| 0101 | Adam Beissel<br>MW 11:00am - 11:50am<br>M 8:00am - 8:50am | Seats (Total: 22)<br>SPH 1312<br>SPH 0303 | Discussion |
| 0102 | Adam Beissel<br>MW 11:00am - 11:50am<br>M 9:00am - 9:50am | Seats (Total: 22)<br>SPH 1312<br>SPH 0303 | Discussion |
| 0103 | Adam Beissel<br>MW 11:00am - 11:50am<br>M 10:00am - 10:50am | Seats (Total: 22)<br>SPH 1312<br>SPH 1302 | Discussion |
| 0104 | Adam Beissel<br>MW 11:00am - 11:50am<br>M 1:00pm - 1:50pm | Seats (Total: 22)<br>SPH 1312<br>SPH 0305 | Discussion |
| 0105 | Adam Beissel<br>MW 11:00am - 11:50am<br>M 2:00pm - 2:50pm | Seats (Total: 22)<br>SPH 1312<br>SPH 0303 | Discussion |

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|---|---|---|---|
| 0106 | Adam Beissel<br>MW 11:00am - 11:50am<br>M 3:00pm - 3:50pm | Seats (Total: 22)<br>SPH 1312<br>SPH 0303 | Discussion |
| 0201 | David Andrews<br>Class time/details on ELMs | Seats (Total: 75)<br>ONLINE | |

**KNES287U** **Sport and American Society**
**Contact department for information to register for this course.**

**KNES289** **Topical Investigations**

**KNES289** *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

**Contact department for information to register for this course.**

**KNES289R** **Topical Investigations; Hoop Dreams: Black Masculinity and Sport**

**KNES289R Topical Investigations: Hoop Dreams: Black Masculinity and Sport; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
Utilizing an interdisciplinary approach, students explore how sport has been invoked across the political and ideological spectrum to interrogate a number of issues impacting the life chances of young, African-Americans males including educational attainment, poverty, social mobility, racism, cultural production, and notions of masculinity.

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|---|---|---|---|
| 0101 | Damion Thomas<br>MW 11:00am - 11:50am<br>M 1:00pm - 1:50pm | Seats (Total: 20)<br>SYM 0200<br>SPH 0301 | Discussion |
| 0102 | Damion Thomas<br>MW 11:00am - 11:50am<br>M 2:00pm - 2:50pm | Seats (Total: 20)<br>SYM 0200<br>SPH 0301 | Discussion |
| 0103 | Damion Thomas<br>MW 11:00am - 11:50am<br>W 2:00pm - 2:50pm | Seats (Total: 20)<br>SYM 0200<br>SPH 0305 | Discussion |

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|---|---|---|---|
| 0104 | Damion Thomas<br>MW 11:00am - 11:50am<br>W 3:00pm - 3:50pm | Seats (Total: 20)<br>SYM 0200<br>SPH 0305 | <br><br>Discussion |

**KNES289Z** **Topical Investigations; The KNES major**
**Contact department for information to register for this course.**

**KNES293** **History of Sport in America**

**KNES293 History of Sport in America; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences.
The growth and development of sport in America. The transformation of sport within the perspective of American history, including class sport, professionalization, amateurism, and international involvement.

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|---|---|---|---|
| 0101 | Damion Thomas<br>MW 1:00pm - 1:50pm<br>M 10:00am - 10:50am | Seats (Total: 22)<br>SPH 1312<br>SPH 1303 | <br><br>Discussion |
| 0102 | Damion Thomas<br>MW 1:00pm - 1:50pm<br>M 11:00am - 11:50am | Seats (Total: 22)<br>SPH 1312<br>SPH 0305 | <br><br>Discussion |
| 0103 | Damion Thomas<br>MW 1:00pm - 1:50pm<br>M 2:00pm - 2:50pm | Seats (Total: 22)<br>SPH 1312<br>SPH 0308 | <br><br>Discussion |
| 0104 | Damion Thomas<br>MW 1:00pm - 1:50pm<br>W 10:00am - 10:50am | Seats (Total: 22)<br>SPH 1312<br>SPH 1302 | <br><br>Discussion |
| 0105 | Damion Thomas<br>MW 1:00pm - 1:50pm<br>W 11:00am - 11:50am | Seats (Total: 22)<br>SPH 1312<br>SPH 0305 | <br><br>Discussion |
| 0107 | Damion Thomas<br>MW 1:00pm - 1:50pm<br>M 3:00pm - 3:50pm | Seats (Total: 22)<br>SPH 1312<br>SPH 0308 | <br><br>Discussion |

**KNES293U** **History of Sport in America**
**Contact department for information to register for this course.**

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**KNES300** **Biomechanics of Human Motion**

**KNES300 Biomechanics of Human Motion; (4 credits)** Grade Method: REG/P-F. *Prerequisite: Minimum grade of C- in BSCI201. And 1 course with a minimum grade of C- from (MATH112, MATH113, MATH115); or (must have completed one General Education: Fundamental Studies-Math course with a minimum grade of C-; and must have math eligibility of MATH140 or higher). Recommended: PHYS121. Restriction: Must be in a major within SPHL-Kinesiology department.* The study of human movement and the physical and physiological principles upon which it depends. Body mechanics, posture, motor efficiency, sports, the performance of a typical individual and the influence of growth and development upon motor performance.

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|---|---|---|---|
| 0101 | Rodolphe Gentili<br>MW 3:00pm - 4:15pm<br>Tu 8:00am - 10:00am | Seats (Total: 18)<br>EGR 1202<br>SPH 0223 | <br><br>Lab |
| 0102 | Rodolphe Gentili<br>MW 3:00pm - 4:15pm<br>Tu 10:00am - 12:00pm | Seats (Total: 18)<br>EGR 1202<br>SPH 0223 | <br><br>Lab |
| 0103 | Rodolphe Gentili<br>MW 3:00pm - 4:15pm<br>Tu 12:00pm - 2:00pm | Seats (Total: 18)<br>EGR 1202<br>SPH 0223 | <br><br>Lab |
| 0104 | Rodolphe Gentili<br>MW 3:00pm - 4:15pm<br>Tu 2:00pm - 4:00pm | Seats (Total: 18)<br>EGR 1202<br>SPH 0223 | <br><br>Lab |
| 0105 | Rodolphe Gentili<br>MW 3:00pm - 4:15pm<br>Th 8:00am - 10:00am | Seats (Total: 18)<br>EGR 1202<br>SPH 0223 | <br><br>Lab |
| 0106 | Rodolphe Gentili<br>MW 3:00pm - 4:15pm<br>Th 10:00am - 12:00pm | Seats (Total: 18)<br>EGR 1202<br>SPH 0223 | <br><br>Lab |

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|---|---|---|---|
| 0107 | Rodolphe Gentili<br>MW 3:00pm - 4:15pm<br>Th 12:00pm - 2:00pm | Seats (Total: 18)<br>EGR 1202<br>SPH 0223 | <br><br>Lab |
| 0108 | Rodolphe Gentili<br>MW 3:00pm - 4:15pm<br>Th 2:00pm - 4:00pm | Seats (Total: 18)<br>EGR 1202<br>SPH 0223 | <br><br>Lab |

**KNES300H** **Biomechanics of Human Motion**

**KNES300H** *(PermReq)* **Biomechanics of Human Motion; (4 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in BSCI201. And 1 course with a minimum grade of C- from (MATH112, MATH113, MATH115); or (must have completed one General Education: Fundamental Studies-Math course with a minimum grade of C-; and must have math eligibility of MATH140 or higher). Recommended: PHYS121. Restriction: Must be in a major within SPHL-Kinesiology department.* The study of human movement and the physical and physiological principles upon which it depends. Body mechanics, posture, motor efficiency, sports, the performance of a typical individual and the influence of growth and development upon motor performance.

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|---|---|---|---|
| 0101 | Rodolphe Gentili<br>MW 3:00pm - 4:15pm<br>Contact instructor or department for details. | Seats (Total: 3)<br>EGR 1202 | |

**KNES332** **Exercise Testing and Prescription for the Fitness Professional**

**KNES332 Exercise Testing and Prescription for the Fitness Professional; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in KNES360. Restriction: Must be in a major within SPHL-Kinesiology department. Credit only granted for: KNES332 or KNES389G. Formerly: KNES389G.* Practical applications of exercise physiology and psychology to target fitness instruction for the general adult population Includes discussion of certification standards and professional development as well as evaluation of program safety and current trends.

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| 0101 | Jo Zimmerman<br>WF 8:00am - 10:00am | Seats (Total: 35)<br>SPH 0308 | |

**KNES333** **Physical Activity for Students with Special Needs**

**KNES333 Physical Activity for Students with Special Needs; (3 credits)** Grade Method: REG.
*Restriction: Must be in a major within the SPHL-Kinesiology department.* Implications of Federal and State regulations for planning and implementing motor development and physical fitness programs for individuals with disabilities. Evaluation strategies for assessing motor performance and fitness levels in educational programs for these individuals. Students are required to choose a placement for a service-learning exper ience involving direct work with children who have disabilities. Studen ts may choose from a list of local schools (listed in the syllabus) that have special education programs; or they may complete this requirement at the Children's Developmental Clinic held on campus in the SPH (School of Public Health) building every Saturday 8:30a-12:30p.

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| 0101 | Dennis Vacante<br>Th 7:00pm - 9:30pm | Seats (Total: 30)<br>SPH 0308 | |

**KNES335** **Swimming Pool Management**

**KNES335 Swimming Pool Management; (2 credits)** Grade Method: REG/P-F/AUD. Analysis of the position of the swimming pool manager. The systematic treatment of swimming pool water; swimming pool first aid; and laws pertaining to swimming pool operation. Qualifies the student for a pool operator's license in most Maryland counties.

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| 0101 | Christopher Whipple, Matthew Quigley<br>TuTh 9:00am - 9:50am | Seats (Total: 35)<br>ERC B0136 | Lab |

**KNES350** **The Psychology of Sports**

**KNES350 The Psychology of Sports; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences.
An exploration of personality factors, including but not limited to motivation, aggression and emotion, as they affect sports participation and motor skill performance.

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| 0101 | Elizabeth Brown<br>TuTh 2:00pm - 3:15pm<br>*For KNES major only.* | Seats (Total: 120)<br>JMZ 0220 |

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|---|---|---|
| 0201 | J Carson Smith<br>TuTh 8:00am - 9:15am | Seats (Total: 120)<br>PHY 1410 |

**KNES350H** **The Psychology of Sports**

**KNES350H** *(PermReq)* **The Psychology of Sports; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences.
An exploration of personality factors, including but not limited to motivation, aggression and emotion, as they affect sports participation and motor skill performance. Prerequisite: permission of department.

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|---|---|---|
| 0101 | Elizabeth Brown<br>TuTh 2:00pm - 3:15pm | Seats (Total: 2)<br>MMH 1400 |
| 0201 | J Carson Smith<br>TuTh 8:00am - 9:15am | Seats (Total: 3)<br>PHY 1410 |

**KNES355** **Sport Management**

**KNES355 Sport Management; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: KNES287. Restriction: Junior standing or higher; and must be in a major within SPHL-Kinesiology department. Credit only granted for: KNES355 or KNES498M. Formerly: KNES498M.* Application of concepts and issues related to management principles and business concerns across various sections of the sport industry. Principles pertaining to the management of sport organizations.

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| 0101 | Stephen McDaniel<br>TuTh 2:00pm - 3:15pm | Seats (Total: 34)<br>SPH 0308 |

**KNES355H** **Sport Management**

**KNES355H** *(PermReq)* **Sport Management; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: KNES287. Restriction: Junior standing or higher; and must be in a major within SPHL-Kinesiology department. Credit only granted for: KNES355 or KNES498M. Formerly: KNES498M.* Application of concepts and issues related to management principles and business concerns across various sections of the sport industry. Principles pertaining to the management of sport organizations.

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|---|---|---|---|
| 0101 | Stephen McDaniel<br>TuTh 2:00pm - 3:15pm | Seats (Total: 1)<br>SPH 0308 | |

**KNES360** **Physiology of Exercise**

**KNES360 Physiology of Exercise; (4 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: Minimum grade of C- in BSCI202 and BSCI201; or permission of SPHL-Kinesiology department. Restriction: Must be in a major within SPHL-Kinesiology department.* A study of the physiology of exercise, including concepts of work, muscular contraction, energy transformation, metabolism, oxygen debt, and nutrition and athletic performance. Emphasis on cardiovascular and respiratory function in relation to physical activity and training.

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|---|---|---|---|
| 0101 | Marc Rogers<br>MWF 12:00pm - 12:50pm<br>Tu 8:00am - 10:00am | Seats (Total: 18)<br>SPH 1312<br>SPH 0124 | <br><br>Lab |
| 0102 | Marc Rogers<br>MWF 12:00pm - 12:50pm<br>Tu 10:00am - 12:00pm | Seats (Total: 18)<br>SPH 1312<br>SPH 0124 | <br><br>Lab |
| 0103 | Marc Rogers<br>MWF 12:00pm - 12:50pm<br>Tu 12:00pm - 2:00pm | Seats (Total: 18)<br>SPH 1312<br>SPH 0124 | <br><br>Lab |
| 0104 | Marc Rogers<br>MWF 12:00pm - 12:50pm<br>Tu 2:00pm - 4:00pm | Seats (Total: 18)<br>SPH 1312<br>SPH 0124 | <br><br>Lab |
| 0105 | Marc Rogers<br>MWF 12:00pm - 12:50pm<br>Th 8:00am - 10:00am | Seats (Total: 18)<br>SPH 1312<br>SPH 0124 | <br><br>Lab |
| 0106 | Marc Rogers<br>MWF 12:00pm - 12:50pm<br>Th 10:00am - 12:00pm | Seats (Total: 18)<br>SPH 1312<br>SPH 0124 | <br><br>Lab |
| 0107 | Marc Rogers<br>MWF 12:00pm - 12:50pm<br>Th 12:00pm - 2:00pm | Seats (Total: 18)<br>SPH 1312<br>SPH 0124 | <br><br>Lab |

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|---|---|---|---|
| 0108 | Marc Rogers<br>MWF 12:00pm - 12:50pm<br>Th 2:00pm - 4:00pm | Seats (Total: 18)<br>SPH 1312<br>SPH 0124 | <br><br>Lab |

**KNES360H** **Physiology of Exercise**

**KNES360H** *(PermReq)* **Physiology of Exercise; (4 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in BSCI202 and BSCI201; or permission of SPHL-Kinesiology department. Restriction: Must be in a major within SPHL-Kinesiology department.* A study of the physiology of exercise, including concepts of work, muscular contraction, energy transformation, metabolism, oxygen debt, and nutrition and athletic performance. Emphasis on cardiovascular and respiratory function in relation to physical activity and training.

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|---|---|---|---|
| 0101 | Marc Rogers<br>MWF 12:00pm - 12:50pm<br>Contact instructor or department for details. | Seats (Total: 3)<br>SPH 1312 | |

**KNES370** **Motor Development**

**KNES370 Motor Development; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Must be in a major within SPHL-Kinesiology department.* Motor development across the life span. The developmental sequences of motor skills from birth to old age; neuromaturation of neuromuscular system; analysis of the underlying mechanisms of motor skill development; and correlates of motor development.

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|---|---|---|---|
| BL01 | Marcio Oliveira<br>W 3:00pm - 3:50pm<br>Class time/details on ELMs<br>M 8:00am - 8:50am | Seats (Total: 18)<br>SPH 1312<br>ONLINE<br>SPH 0124 | <br><br><br>Discussion |
| | *Blended Learning courses combine face-to-face and online interactions.* | | |
| BL02 | Marcio Oliveira<br>W 3:00pm - 3:50pm<br>Class time/details on ELMs<br>M 9:00am - 9:50am | Seats (Total: 18)<br>SPH 1312<br>ONLINE<br>SPH 0124 | <br><br><br>Discussion |
| | *Blended Learning courses combine face-to-face and online interactions.* | | |

| | | | |
|---|---|---|---|
| BL03 | Marcio Oliveira<br>W 3:00pm - 3:50pm<br>Class time/details on ELMs<br>M 10:00am - 10:50am | Seats (Total: 18)<br>SPH 1312<br>ONLINE<br>SPH 0124 | Discussion |
| | *Blended Learning courses combine face-to-face and online interactions.* | | |
| BL04 | Marcio Oliveira<br>W 3:00pm - 3:50pm<br>Class time/details on ELMs<br>M 11:00am - 11:50am | Seats (Total: 18)<br>SPH 1312<br>ONLINE<br>SPH 0124 | Discussion |
| | *Blended Learning courses combine face-to-face and online interactions.* | | |
| BL05 | Marcio Oliveira<br>W 3:00pm - 3:50pm<br>Class time/details on ELMs<br>M 12:00pm - 12:50pm | Seats (Total: 18)<br>SPH 1312<br>ONLINE<br>SPH 0124 | Discussion |
| | *Blended Learning courses combine face-to-face and online interactions.* | | |
| BL06 | Marcio Oliveira<br>W 3:00pm - 3:50pm<br>Class time/details on ELMs<br>M 1:00pm - 1:50pm | Seats (Total: 18)<br>SPH 1312<br>ONLINE<br>SPH 0124 | Discussion |
| | *Blended Learning courses combine face-to-face and online interactions.* | | |

**KNES370H** **Motor Development**

**KNES370H** *(PermReq)* **Motor Development; (3 credits)** Grade Method: REG. *Restriction: Must be in a major within SPHL-Kinesiology department.* Motor development across the life span. The developmental sequences of motor skills from birth to old age; neuromaturation of neuromuscular system; analysis of the underlying mechanisms of motor skill development; and correlates of motor development. Prerequisite: permission of department.

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| 0101 | Marcio Oliveira<br>W 3:00pm - 3:50pm<br>Contact instructor or department for details. | Seats (Total: 2)<br>SPH 1312 | |

**KNES370U** **Motor Development**
**Contact department for information to register for this course.**

**KNES385** **Motor Control and Learning**

**KNES385 Motor Control and Learning; (3 credits)** Grade Method: REG/P-F/AUD. *Restriction: Must be in a major within SPHL-Kinesiology department.* Physiological and cognitive bases for motor control and their applications to the acquisition of movement skills and understanding of movement disorders. Topics include: neurophysiology, motor control theory, sensory/perceptual processes, perception-action coupling, information processing, memory, attention, individual differences, motivation, practice organization and role of feedback.

| | | | |
|---|---|---|---|
| 0101 | Marcio Oliveira<br>MW 2:00pm - 2:50pm<br>Class time/details on ELMs<br>W 11:00am - 11:50am | Seats (Total: 18)<br>SPH 1312<br>ONLINE<br>SPH 0124 | Discussion |
| 0102 | Marcio Oliveira<br>MW 2:00pm - 2:50pm<br>Class time/details on ELMs<br>W 12:00pm - 12:50pm | Seats (Total: 18)<br>SPH 1312<br>ONLINE<br>SPH 0124 | Discussion |
| 0103 | Marcio Oliveira<br>MW 2:00pm - 2:50pm<br>Class time/details on ELMs<br>W 1:00pm - 1:50pm | Seats (Total: 18)<br>SPH 1312<br>ONLINE<br>SPH 0124 | Discussion |
| 0104 | Marcio Oliveira<br>MW 2:00pm - 2:50pm<br>Class time/details on ELMs<br>F 8:00am - 8:50am | Seats (Total: 18)<br>SPH 1312<br>ONLINE<br>SPH 0124 | Discussion |
| 0105 | Marcio Oliveira<br>MW 2:00pm - 2:50pm<br>Class time/details on ELMs<br>F 9:00am - 9:50am | Seats (Total: 18)<br>SPH 1312<br>ONLINE<br>SPH 0124 | Discussion |
| 0106 | Marcio Oliveira<br>MW 2:00pm - 2:50pm<br>Class time/details on ELMs<br>F 10:00am - 10:50am | Seats (Total: 18)<br>SPH 1312<br>ONLINE<br>SPH 0124 | Discussion |

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|---|---|---|---|
| 0107 | Marcio Oliveira<br>MW 2:00pm - 2:50pm<br>Class time/details on ELMs<br>F 11:00am - 11:50am | Seats (Total: 18)<br>SPH 1312<br>ONLINE<br>SPH 0124 | <br><br><br>Discussion |
| 0108 | Marcio Oliveira<br>MW 2:00pm - 2:50pm<br>Class time/details on ELMs<br>F 12:00pm - 12:50pm | Seats (Total: 18)<br>SPH 1312<br>ONLINE<br>SPH 0124 | <br><br><br>Discussion |

**KNES385H** **Motor Control and Learning**

**KNES385H** *(PermReq)* **Motor Control and Learning; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Must be in a major within SPHL-Kinesiology department.* Physiological and cognitive bases for motor control and their applications to the acquisition of movement skills and understanding of movement disorders. Topics include: neurophysiology, motor control theory, sensory/perceptual processes, perception-action coupling, information processing, memory, attention, individual differences, motivation, practice organization and role of feedback. Prerequisite: permission of department.

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|---|---|---|
| 0101 | Marcio Oliveira<br>MW 2:00pm - 2:50pm<br>Contact instructor or department for details. | Seats (Total: 4)<br>SPH 1312 |

**KNES386** **Experiential Learning**

**KNES386 Experiential Learning; (3 credits)** Grade Method: REG/P-F.
*Prerequisite: Must have completed three KNES core classes. Restriction: Junior standing or higher; and must be in a major within SPHL-Kinesiology department.* Explore and analyze concepts and procedures related to a quality service-learning experience to include planning, implementing, and evaluating a service-learning project. Junior Standing.

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| 0101 | Marvin Scott<br>TuTh 12:30pm - 1:45pm | Seats (Total: 30)<br>SPH 0308 |

**KNES389** **Topical Investigations**

**KNES389** *(PermReq)* **Topical Investigations; (1-3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of instructor and department.

**Contact department for information to register for this course.**

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**KNES389E** **Topical Investigations; Childrens Development Clinic**

**KNES389E Topical Investigations: Childrens Development Clinic; (1 credit)** Grade Method: REG/P-F/AUD.
A service-learning experience at the Children's Developmental Clinic in the SPH (School of Public Health) building each Saturday morning (8:30-12:30). It is designed to give students a one-on-one, hands-on experience in working with a child who has special educational needs in the areas of motor development, language, reading, and social skills. There are two training sessions and nine sessions with the children.

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| 0101 | Dennis Vacante | Seats (Total: 30) |
| | Sa 8:30am - 12:30pm | SPH 2101 |

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**KNES389K** **Topical Investigations; Kinesiology Internship**

**KNES389K** *(PermReq)* **Topical Investigations: Kinesiology Internship; (3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of instructor and department.

**Contact department for information to register for this course.**

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**KNES389R** **Topical Investigations; Independent Study in Physical Therapy Research**

**KNES389R** *(PermReq)* **Topical Investigations: Independent Study in Physical Therapy Research; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisites: KNES370, KNES385, and permission of department. Corequisite: KNES300. This independent study offers students the unique opportunity to experience being part of a research team that is invesitgating how to better rehabilitate and measure outcomes in a specific population. Click here for more information: http://sph.umd.edu/KNES/ugrad/PTRS.html

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|---|---|---|
| 0101 | Ana Palla-Kane | Seats (Total: 3) |
| | Contact instructor or department for details. | |

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**KNES390** **Practicum/Internship in Teaching Physical Education**

**KNES390** *(PermReq)* **Practicum/Internship in Teaching Physical Education; (3 credits)** Grade Method: REG.
*Corequisite: KNES491.* Teaching of children in a physical education setting. Specific emphasis on the development of a professional portfolio demonstrating understanding of curriculum development, lesson planning, progressions and evaluation of teaching performance.

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| 0101 | Ana Palla-Kane | Seats (Total: 1) |
| | Contact instructor or department for details. | |

**KNES400** **The Foundations of Public Health in Kinesiology**

**KNES400 The Foundations of Public Health in Kinesiology; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in KNES287 and KNES360. Restriction: Senior standing or higher; and must be in a major within SPHL-Kinesiology department. Credit only granted for: KNES400 or KNES498A. Formerly: KNES498A.* An investigation of the role of physical activity and inactivity in relation to health and well-being through a public health perspective. Past and current perspectives on health promotion, health education, and social policies and approaches will be examined for various populations.

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| 0101 | Shannon Jette | Seats (Total: 35) |
| | TuTh 2:00pm - 3:15pm | SPH 0307 |

**KNES442** **Psychology of Exercise and Health**

**KNES442 Psychology of Exercise and Health; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: KNES350. Restriction: Junior standing or higher. Credit only granted for: KNES442 or KNES498O. Formerly: KNES498O.* Examines the antecedents and consequences of exerciese behavior. Explores motivation, attitude, control, socialization. Proposes intervention strategies at the individual, organizational and societal levels.

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|---|---|---|
| 0101 | Seppo Iso-Ahola | Seats (Total: 30) |
| | M 4:00pm - 6:30pm | SPH 1302 |

**KNES442H** **Psychology of Exercise and Health**

**KNES442H** *(PermReq)* **Psychology of Exercise and Health; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: KNES350. Restriction: Junior standing or higher. Credit only granted for: KNES442 or KNES498O. Formerly: KNES498O.* Examines the antecedents and consequences of exerciese behavior. Explores motivation, attitude, control, socialization. Proposes intervention strategies at the individual, organizational and societal levels.

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| 0101 | Seppo Iso-Ahola<br>M 4:00pm - 6:30pm | Seats (Total: 2)<br>SPH 1302 |

**KNES451** **Children and Sport: A Psychosocial Perspective**

**KNES451 Children and Sport: A Psychosocial Perspective; (3 credits)** Grade Method: REG/P-F.
*Prerequisite: KNES350. Restriction: Junior standing or higher; and must be in a major within SPHL-Kinesiology department.* Examination of youth sports from a psychosocial perspective, including the impact of highly structured sports on young athletes and the complex social network of coaches, parents and peers.

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|---|---|---|
| 0101 | Elizabeth Brown<br>Tu 4:00pm - 6:30pm | Seats (Total: 40)<br>SPH 1303 |

**KNES451H** **Children and Sport: A Psychosocial Perspective**

**KNES451H** *(PermReq)* **Children and Sport: A Psychosocial Perspective; (3 credits)** Grade Method: REG/P-F.
*Prerequisite: KNES350. Restriction: Junior standing or higher; and must be in a major within SPHL-Kinesiology department.* Examination of youth sports from a psychosocial perspective, including the impact of highly structured sports on young athletes and the complex social network of coaches, parents and peers. Prerequisite: permission of department.

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|---|---|---|
| 0101 | Elizabeth Brown<br>Tu 4:00pm - 6:30pm | Seats (Total: 4)<br>SPH 1303 |

**KNES457** **Managing Youth Programs: Educational, Fitness and Sport**

**KNES457 Managing Youth Programs: Educational, Fitness and Sport; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: KNES370 and KNES287. Restriction: Junior standing or higher. Credit only granted for: KNES457 or KNES498Y. Formerly: KNES498Y.* An examination of the basic functions involved in managing physical education, fitness, and youth sports programs. Focus on leadership skills, organizational management, and techniques for applying learned skills in a variety of organizational settings that serve the nation's youth.

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|---|---|---|
| 0101 | Marvin Scott | Seats (Total: 35) |
| | MWF 11:00am - 11:50am | SPH 0308 |

**KNES461** **Exercise and Body Composition**

**KNES461 Exercise and Body Composition; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: KNES360.* An in-depth overview on how body composition is measured, what it is composed of, and the physiological and biochemical signals that change it. The effects of acute and chronic exercise on food storage, breakdown, and use as an energy source, is the major focus. This information is applied to important issues in public health and athletic performance.

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|---|---|---|
| 0101 | Ben Hurley | Seats (Total: 33) |
| | TuTh 9:30am - 10:45am | SPH 0308 |

**KNES461H** **Exercise and Body Composition**

**KNES461H** *(PermReq)* **Exercise and Body Composition; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: KNES360.* An in-depth overview on how body composition is measured, what it is composed of, and the physiological and biochemical signals that change it. The effects of acute and chronic exercise on food storage, breakdown, and use as an energy source, is the major focus. This information is applied to important issues in public health and athletic performance. Prerequisite: permission of department.

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|---|---|---|
| 0101 | Ben Hurley | Seats (Total: 2) |
| | TuTh 9:30am - 10:45am | SPH 0308 |

**KNES462** **Neural Basis of Human Movement**

**KNES462 Neural Basis of Human Movement; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: BSCI202, KNES385, and BSCI201; or permission of SPHL-Kinesiology department.* An introduction to the neural substrates which underlie postural and volitional movement. Neuroanatomical and neurophysiological basis of motor functioning; past and present conceptualizations of motor control and coordination; movement disorders; and maturation of the neuromuscular system.

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|---|---|---|
| 0101 | Rodolphe Gentili<br>MW 2:00pm - 2:50pm<br>Class time/details on ELMs | Seats (Total: 33)<br>CHM 1228<br>ONLINE |

**KNES462H** **Neural Basis of Human Movement**

**KNES462H** *(PermReq)* **Neural Basis of Human Movement; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: BSCI202, KNES385, and BSCI201; or permission of SPHL-Kinesiology department.* An introduction to the neural substrates which underlie postural and volitional movement. Neuroanatomical and neurophysiological basis of motor functioning; past and present conceptualizations of motor control and coordination; movement disorders; and maturation of the neuromuscular system.

| | | |
|---|---|---|
| 0101 | Rodolphe Gentili<br>MW 2:00pm - 2:50pm<br>Class time/details on ELMs | Seats (Total: 2)<br>CHM 1228<br>ONLINE |

**KNES466** **Graded Exercise Testing**

**KNES466 Graded Exercise Testing; (3 credits)** Grade Method: REG.
*Prerequisite: KNES360; or permission of SPHL-Kinesiology department.* Functional and diagnostic examination of the cardiovascular responses to graded exercise testing. Emphasis on electrophysiology, mechanisms of arrhythmias, normal electrical activation of the heart, axis termination and the normal 12-lead electrocardiogram.

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| 0101 | Marc Rogers<br>TuTh 9:30am - 10:45am | Seats (Total: 33)<br>SPH 1302 |

**KNES466H** **Graded Exercise Testing**

**KNES466H** *(PermReq)* **Graded Exercise Testing; (3 credits)** Grade Method: REG. *Prerequisite: KNES360; or permission of SPHL-Kinesiology department.* Functional and diagnostic examination of the cardiovascular responses to graded exercise testing. Emphasis on electrophysiology, mechanisms of arrhythmias, normal electrical activation of the heart, axis termination and the normal 12-lead electrocardiogram. Prerequisite: permission of department.

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|---|---|---|
| 0101 | Marc Rogers | Seats (Total: 2) |
| | TuTh 9:30am - 10:45am | SPH 1302 |

**KNES477** **Honors Thesis**

**KNES477** *(PermReq)* **Honors Thesis; (3 credits)** Grade Method: REG. GenEd: Distributive Studies - Scholarship in Practice.
*Prerequisite: KNES476. Corequisite: KNES478. Restriction: Must be a KNES Honors student; and senior standing. Credit only granted for: KNES399 or KNES477. Formerly: KNES399.* Advisement will be on the individual basis. Thesis must be defended in the honors seminar.

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| 0101 | Espen Spangenburg | Seats (Total: 10) |
| | F 10:00am - 10:50am | SPH 0301 |
| | Contact instructor or department for details. | |

**KNES478** **Honors Seminar; Honors Seminar**

**KNES478** *(PermReq)* **Honors Seminar: Honors Seminar; (1 credit)** Grade Method: REG.

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| 0101 | Espen Spangenburg | Seats (Total: 20) |
| | F 11:00am - 11:50am | SPH 0301 |

**KNES483** **Sport Marketing and Media**

**KNES483 Sport Marketing and Media; (3 credits)** Grade Method: REG/AUD. *Prerequisite: KNES287. Restriction: Junior standing or higher; and must be in a major within SPHL-Kinesiology department.* Industry practices in sport marketing and media. Marketing strategies and consumer behavior in different sport contexts. Critical examination of selected social and economic issues related to the buying and selling of sport.

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|---|---|---|
| 0101 | Stephen McDaniel<br>TuTh 11:00am - 12:15pm | Seats (Total: 35)<br>SPH 0308 |

**KNES483H** **Sport Marketing and Media**

**KNES483H** *(PermReq)* **Sport Marketing and Media; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: KNES287. Restriction: Junior standing or higher; and must be in a major within SPHL-Kinesiology department.* Industry practices in sport marketing and media. Marketing strategies and consumer behavior in different sport contexts. Critical examination of selected social and economic issues related to the buying and selling of sport.

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|---|---|---|
| 0101 | Stephen McDaniel<br>TuTh 11:00am - 12:15pm | Seats (Total: 2)<br>SPH 0308 |

**KNES497** **Kinesiology Senior Seminar**

**KNES497 Kinesiology Senior Seminar; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course. GenEd: Distributive Studies - Scholarship in Practice.
*Prerequisite: A professional writing coure with a (C-) or better; all 7 KNES core and 2 KNES options. 100 semester hours. And STAT100; or students who have taken courses with comparable content may contact the department.* Discussions of contemporary issues vital to the discipline, critiques of research in the student's area/areas of special interest, completion of a major project where the student will be asked to demonstrate the ability to carry out investigative processes in problem solving and critical writing under faculty direction. Click here for more information.

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| 0101 | James Hagberg<br>Tu 8:00am - 10:30am<br>Contact instructor or department for details.<br>*Physical Activity and the Obesity and Diabetes Epidemic.* | Seats (Total: 18)<br>SPH 0301 |
| 0102 | Adam Beissel<br>Th 4:00pm - 6:30pm<br>Contact instructor or department for details.<br>*"Socio-Historical Aspects of Sports & Physical Culture"* | Seats (Total: 18)<br>SPH 0223 |

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|---|---|---|
| 0103 | Stephen Roth<br>W 8:00am - 10:30am<br>Contact instructor or department for details.<br>*"Genetics in Kinesiology and Sport"* | Seats (Total: 18)<br>SPH 0301 |
| 0104 | Eva Chin<br>W 4:00pm - 6:30pm<br>Contact instructor or department for details.<br>*"Adaptations of Skeletal Muscle with Disease and Exercise Training"* | Seats (Total: 18)<br>SPH 0302 |
| 0105 | Jennie Phillips<br>W 9:00am - 11:30am<br>Contact instructor or department for details.<br>*"Couch Potatoes to Bodies in Motion: How do we get People Moving?"* | Seats (Total: 18)<br>SPH 0223 |
| 0106 | Rodolphe Gentili<br>Th 4:00pm - 6:30pm<br>Contact instructor or department for details.<br>*"Rehabilitation and Motor Control"* | Seats (Total: 18)<br>SPH 0303 |
| 0107 | Adam Beissel<br>Tu 4:00pm - 6:30pm<br>Contact instructor or department for details.<br>*Contextualizing the Sports Industry: This section will facilitate an in-depth, independent examination of the trends, challenges, and opportunities related to the contemporary sports industry.* | Seats (Total: 18)<br>SPH 0305 |
| 0108 | Shannon Jette<br>W 4:00pm - 6:30pm<br>Contact instructor or department for details.<br>*Bodies in Action: The Lived Experience of Sport, Recreation and Exercis Culture.* | Seats (Total: 18)<br>SPH 0303 |
| 0109 | Jo Zimmerman<br>M 9:00am - 11:30am<br>Contact instructor or department for details.<br>*Exercise & Brain Health: From Psychobiology to Behavior.* | Seats (Total: 18)<br>SPH 0301 |

**KNES498 Special Topics in Kinesiology**

**KNES498 Special Topics in Kinesiology; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**KNES498T** **Special Topics in Kinesiology; Principles and Applications of Exercise Rehabilitation**

**KNES498T Special Topics in Kinesiology: Principles and Applications of Exercise Rehabilitation; (3 credits)** Grade Method: REG/P-F/AUD. Prerequisites: KNES300/KNES300H and KNES360/KNES360H. Students will learn the basic principles of exercise and rehabilitation of commonly seen injuries in a clinical setting. They will also learn basic assessment techniques, review normal ranges of motion, and determine how the function of the muscles directly affects the rehabilitation process.

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| 0101 | Larry Plotkin | Seats (Total: 35) |
| | TuTh 8:00am - 9:15am | SPH 0307 |

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**KNES498Y** **Special Topics in Kinesiology; Methods and Techniques of Research**

**KNES498Y Special Topics in Kinesiology: Methods and Techniques of Research; (3 credits)** Grade Method: REG/P-F/AUD.
Pre-requisites: STAT 100 or equivalent and senior status.

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| 0101 | Seppo Iso-Ahola | Seats (Total: 20) |
| | W 4:00pm - 6:30pm | SPH 0305 |

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**KNES609** **Research Issues in Kinesiology**

**KNES609** *(PermReq)* **Research Issues in Kinesiology; (1 credit)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**KNES610** **Methods and Techniques of Research**

**KNES610 Methods and Techniques of Research; (3 credits)** Grade Method: REG/AUD.
Studies methods and techniques of research used in Kinesiology; an analysis of examples of their use; and practice in their application to problems of interest to the student.

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| 0101 | Seppo Iso-Ahola<br>W 4:00pm - 6:30pm | Seats (Total: 5)<br>SPH 0305 |

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**KNES612** **Qualitative Research**

**KNES612 Qualitative Research; (3 credits)** Grade Method: REG/AUD.
Theoretical frameworks and methodologies necessary to conduct qualitative research, including research designs, observation and interview methods, data analysis, and development of grounded theory.

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| 0101 | Dena Deglau<br>W 4:00pm - 6:30pm | Seats (Total: 15)<br>SPH 1302 |

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**KNES618** **Current Readings in Exercise and Applied Physiology**

**KNES618 Current Readings in Exercise and Applied Physiology; (1 credit)** Grade Method: REG/AUD.

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| 0101 | Espen Spangenburg<br>F 1:00pm - 1:50pm | Seats (Total: 15)<br>SPH 2334 |

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**KNES689** **Special Problems in Kinesiology**

**KNES689** *(PermReq)* **Special Problems in Kinesiology; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**KNES689D** **Special Problems in Kinesiology; Physiological Signal Processing**

**KNES689D Special Problems in Kinesiology: Physiological Signal Processing; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|---|
| 0101 | Tim Kiemel | Seats (Total: 15) | |
| | M 4:00pm - 6:00pm | SPH 0223 | |
| | W 4:00pm - 6:00pm | SPH 0223 | Lab |

**KNES689N** **Special Problems in Kinesiology; Curriculum Development in Physical Education**

**KNES689N** *(PermReq)* **Special Problems in Kinesiology: Curriculum Development in Physical Education; (3 credits)** Grade Method: REG/AUD.
Examination of the role of educational values and cognitive and behavioral conceptions of learning in curriculum development.

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|---|---|---|
| IHP1 | Dena Deglau | Seats (Total: 15) |
| | Tu 4:30pm - 7:30pm | Location: TBA |

**KNES689O** **Special Problems in Kinesiology; Psychology of Exercise and Health**

**KNES689O Special Problems in Kinesiology: Psychology of Exercise and Health; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Seppo Iso-Ahola | Seats (Total: 5) |
| | M 4:00pm - 6:30pm | SPH 1302 |

**KNES689T** **Special Problems in Kinesiology; Teaching Internship**

**KNES689T** *(PermReq)* **Special Problems in Kinesiology: Teaching Internship; (1-6 credits)** Grade Method: REG/AUD.
Outreach Secondary MCERT-KNES. Departmental permisson required.

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| CE01 | Dena Deglau | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**KNES689Y** **Special Problems in Kinesiology; Public Health and Research Ethics**

**KNES689Y Special Problems in Kinesiology: Public Health and Research Ethics; (1 credit)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Dushanka Kleinman | Seats (Total: 30) |
| | **Meets January 23, 2013 - March 16, 2013** | |
| | F 11:00am - 12:50pm | SPH 0305 |
| | *Also offered as EPIB641* | |

**KNES695** **Laboratory Techniques in Exercise Physiology**

**KNES695 Laboratory Techniques in Exercise Physiology; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: KNES360.* Lab exercise testing techniques and interpretation. Includes graded exercise testing, VO2 max, lactate threshold, phlebotomy, exercise economy, body composition, muscle biopsy, resting metabolic rate, anaerobic power and blood flow.

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|---|---|---|
| 0101 | James Hagberg | Seats (Total: 10) |
| | Tu 4:00pm - 6:30pm | SPH 0124 |

**KNES789** **Advanced Seminar**

**KNES789 Advanced Seminar; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**KNES799** **Master's Thesis Research**

**KNES799** *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**KNES898** **Pre-Candidacy Research**

**KNES898** *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**KNES899** **Doctoral Dissertation Research**

**KNES899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# KORA Korean Spring 2013

**KORA102** **Elementary Korean II**

**KORA102 Elementary Korean II; (3 credits)** Grade Method: REG.
*Prerequisite: KORA101; or students who have taken courses with comparable content may contact the department. Restriction: Must be a non-Heritage student; and permission of instructor required for new students.* Continued training in elementary spoken and written Korean.

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| 0101 | Younghi Ramsey | Seats (Total: 15) |
| | TuTh 2:00pm - 3:15pm | JMZ 1215 |

**KORA202** **Intermediate Korean II**

**KORA202 Intermediate Korean II; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course.
*Prerequisite: KORA201; or permission of instructor.* The second stage of an intermediate-level course designed for non-Heritage students. It continues the second year of instruction in the University's two track Korean Program.

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|---|---|---|
| 0101 | Younghi Ramsey | Seats (Total: 15) |
| | TuTh 9:30am - 10:45am | JMZ 1215 |

**KORA212** **Introductory Reading for Speakers of Korean II**

**KORA212 Introductory Reading for Speakers of Korean II; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course.
*Prerequisite: KORA211; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed four or more years of schooling in Korea.* Continuation of KORA211; grammar, style, usage, and vocabulary of written Korean.

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| 0101 | Younghi Ramsey | Seats (Total: 15) |
| | TuTh 11:00am - 12:15pm | JMZ 1215 |

**KORA312** **Korean for Heritage Speakers, Advanced-Low II**

**KORA312 Korean for Heritage Speakers, Advanced-Low II; (3 credits)** Grade Method: REG.
*Prerequisite: KORA311; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Not open to students who have completed eight or more years of schooling in Korea.* Concludes the second year of the Heritage-language instruction in the University's two-track Korean Program.

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|---|---|---|
| 0101 | Younghi Ramsey | Seats (Total: 15) |
| | TuTh 3:30pm - 4:45pm | JMZ 1215 |

**KORA345** **Korean Language and Linguistics**

**KORA345 Korean Language and Linguistics; (3 credits)** Grade Method: REG.
*Prerequisite: KORA102 or KORA211; or permission of ARHU-School of Languages, Literatures, and Cultures department. Credit only granted for: KORA345 and KORA399A.* An exploration of Korean language and society, in particular the role and nature of the alphabet, Korean sounds, lexical and grammatical structures, and usage in today's South Korea.

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|---|---|---|
| 0101 | Samuel Ramsey | Seats (Total: 15) |
| | MW 3:00pm - 4:15pm | JMZ 2207 |

**KORA398C** **Special Topics in Korean Studies; Cinema and Society in Contemporary South Korea**

**KORA398C Special Topics in Korean Studies: Cinema and Society in Contemporary South Korea; (3 credits)** Grade Method: REG/P-F/AUD.
Aesthetic tradition of Korean cinema and examination of intersections of gender, class, and nation in contemporary Korean society through the lens of current Korean films.

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| 0101 | John Finch | Seats (Total: 30) |
| | M 4:30pm - 5:45pm | JMZ 2122 |
| | Th 5:00pm - 7:30pm | HBK 0302H |

**KORA499** **Independent Study Korean**

**KORA499** *(PermReq)* **Independent Study Korean; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# LARC Landscape Architecture Spring 2013

**LARC140** **Graphic Fundamentals Studio**

**LARC140** *(PermReq)* **Graphic Fundamentals Studio; (4 credits)** Grade Method: REG.
*Recommended: Concurrently enrolled in LARC160. Restriction: Permission of AGNR-Plant Science & Landscape Architecture department; and must be in Landscape Architecture program.* Basic techniques and application of various media for graphic communication associated with landscape architecture.

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|---|---|---|---|
| 0101 | Christopher Ellis | Seats (Total: 18) | |
| | MW 2:00pm - 2:50pm | PLS 2137 | |
| | MW 3:00pm - 4:50pm | PLS 2137 | Lab |
| 0102 | Christopher Ellis | Seats (Total: 18) | |
| | TuTh 2:00pm - 2:50pm | PLS 2137 | |
| | TuTh 3:00pm - 4:50pm | PLS 2137 | Lab |

**LARC160** **Introduction to Landscape Architecture**

**LARC160 Introduction to Landscape Architecture; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities or Distributive Studies - Scholarship in Practice.
History, theory, philosophy and current practice of the profession of landscape architecture. Explores the interactive relationship between humans and their environment by examining people's perceptions of and changing attitude towards the landscape, as well as, an examination of how these are related to ecological and cultural influences.

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| 0101 | Kelly Cook | Seats (Total: 19) | |
| | MW 12:00pm - 12:50pm | PLS 1130 | |
| | M 1:00pm - 1:50pm | PLS 1168 | Discussion |

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|---|---|---|---|
| 0102 | Kelly Cook<br>MW 12:00pm - 12:50pm<br>M 2:00pm - 2:50pm | Seats (Total: 19)<br>PLS 1130<br>PLS 1168 | <br><br>Discussion |
| 0103 | Kelly Cook<br>MW 12:00pm - 12:50pm<br>M 3:00pm - 3:50pm | Seats (Total: 19)<br>PLS 1130<br>PLS 1168 | <br><br>Discussion |
| 0104 | Kelly Cook<br>MW 12:00pm - 12:50pm<br>M 4:00pm - 4:50pm | Seats (Total: 18)<br>PLS 1130<br>PLS 1168 | <br><br>Discussion |

**LARC221** **Digital Design Tools**

**LARC221** *(PermReq)* **Digital Design Tools; (3 credits)** Grade Method: REG.
*Prerequisite: LARC120 and LARC141. Recommended: LARC240 and LARC265. Restriction: Sophomore standing or higher; and must be in Landscape Architecture program.* The development and application of computing skills as used by the landscape architecture profession. This Computer-Aided Design and Drafting (CADD) course develops computer drafting using a variety of software programs. It also introduces students to Geographic Information Systems (GIS) mapping technologies.

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| 0101 | Arlie Ison<br>TuTh 9:30am - 10:45am<br>TuTh 11:00am - 12:15pm | Seats (Total: 15)<br>PLS 2137<br>PLS 2137 | <br><br>Lab |

**LARC240** **Graphic Communication and Design Studio**

**LARC240** *(PermReq)* **Graphic Communication and Design Studio; (4 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: LARC141 and LARC263. Corequisite: LARC221 and LARC265. Restriction: Sophomore standing or higher; and must be in Landscape Architecture program.* Exploration of graphic presentation techniques and original concept development for landscape architecture planning and design.

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|---|---|---|---|
| 0101 | Byoung-Suk Kweon<br>MW 2:00pm - 2:50pm<br>MW 3:00pm - 4:50pm | Seats (Total: 15)<br>PLS 2152<br>PLS 2152 | <br><br>Lab |

**LARC321** **Landscape Structures and Materials**

**LARC321** *(PermReq)* **Landscape Structures and Materials; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: LARC320; and LARC340. Restriction: Must be in Landscape Architecture program.* An examination of the use, properties, and detailing of materials used in landscape construction. The use and design of structures in the landscape.

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|---|---|---|---|
| 0101 | Dennis Nola | Seats (Total: 40) | |
| | TuTh 9:30am - 10:45am | PLS 1130 | |
| | Th 11:00am - 12:15pm | PLS 2150 | Lab |

**LARC341** **Regional Design Studio**

**LARC341** *(PermReq)* **Regional Design Studio; (5 credits)** Grade Method: REG.
*Prerequisite: LARC320; and LARC340. Restriction: Junior standing or higher; and must be in Landscape Architecture program.* An examination of the landscape architect's role within the interdisciplinary regional design field incorporating GIS technologies, spatial modeling, and the regional design process.

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|---|---|---|---|
| 0101 | David Myers | Seats (Total: 15) | |
| | MW 1:00pm - 1:50pm | PLS 2150 | |
| | MW 2:00pm - 4:50pm | PLS 2150 | Lab |

**LARC461** **People and the Environment**

**LARC461 People and the Environment; (3 credits)** Grade Method: REG.
*Repeatable to 3 credits if content differs. Credit only granted for: LARC489K or LARC461. Formerly: LARC489K.* Focuses is placed on human and environmental interactions. Students will look at both natural and built environments and how they influence human health and well-being. Many environmental settings will be examined. These include hospitals, public housing neighborhoods, school settings, retirement communities, transportation corridors and green spaces. We will also explore how racial and socio-economic factors affect living and working environmental conditions. Ultimately, students will be using this knowledge to create environments that support individuals, families and various community groups' health and well-being.

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|---|---|---|---|
| 0101 | Byoung-Suk Kweon | Seats (Total: 20) | |
| | M 10:00am - 12:50pm | PLS 1172 | |

**LARC471** **Capstone Studio: Community Design**

**LARC471** *(PermReq)* **Capstone Studio: Community Design; (5 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
*Prerequisite: LARC440; and LARC470. Restriction: Senior standing; and must be in Landscape Architecture program.* A capstone experience that emphasizes the integration of critical thinking skills and methodologies introduced throughout the landscape architecture curriculum. Students apply design and analysis methodologies, evaluate alternative solutions, involve community residents and engage in final design development, using the master plan and site design process, report writing, and oral and graphic presentations. Final presentations are open to the university and the community.

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|---|---|---|---|
| 0101 | Victoria Chanse | Seats (Total: 15) | |
| | TuTh 1:00pm - 1:50pm | PLS 2148 | |
| | TuTh 2:00pm - 4:45pm | PLS 2148 | Lab |

**LARC489E** **Special Topics in Landscape Architecture; Planting Design**

**LARC489E Special Topics in Landscape Architecture: Planting Design; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Ann Anderson | Seats (Total: 30) |
| | F 9:00am - 11:50am | PLS 0104 |

**LARC489F** **Special Topics in Landscape Architecture; Garden for Cornerstone**

**LARC489F Special Topics in Landscape Architecture: Garden for Cornerstone; (3 credits)** Grade Method: REG/P-F/AUD.
A service-learning course that will explore the relationships between students and a community of men who are surviving the effects of the HIV virus through sustained medical treatment and reliable community support. Formerly homeless and once considered lost to the ravages of AIDS, these men share a home and a mutual ambition for an improved quality of life. The planning and making of a new garden (where none presently exists) will offer these residents a chance to explore their new future. Both students and residents will gain a heightened awareness of their environment through the change of seasons and weather conditions, and new connections to the cosmic and terrestrial influences in our lives. Periodic field trips will introduce students to the site along with examples of other healing gardens.

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|---|---|---|---|
| 0101 | Jack Sullivan | Seats (Total: 20) | |
| | W 5:00pm - 6:40pm | PLS 1164 | |
| | Contact instructor or department for details. | | |

**LARC489T** **Special Topics in Landscape Architecture; Seminars in Plant Science and Landscape Architecture**

**LARC489T Special Topics in Landscape Architecture: Seminars in Plant Science and Landscape Architecture; (1 credit)** Grade Method: REG/P-F/AUD.
Also offered as PLSC489T.

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|---|---|---|---|
| 0101 | Instructor: TBA | Seats (Total: 60) | |
| | W 4:00pm - 5:20pm | PLS 1130 | |

**LARC499** **Independent Studies in Landscape Architecture**

**LARC499** *(PermReq)* **Independent Studies in Landscape Architecture; (1-4 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**LARC641** **Graduate Studio II**

**LARC641** *(PermReq)* **Graduate Studio II; (5 credits)** Grade Method: REG/AUD. *Prerequisite: LARC640. Corequisite: LARC720. Restriction: Permission of AGNR-Plant Science & Landscape Architecture department.* Principles and techniques of site analysis, environmental design and site development for human settlements and interaction with natural systems. Will expand analytical skills through complex site design problems. Students will research, observe and apply low impact development and sustainable practices, become familiar with building and landscape types by investigating alternative arrangements on the land, and understand user needs and design for populations with a range of abilities. Will support LEED and sustainable practices and acknowledge the requirements of public health, safety, and welfare.

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|---|---|---|---|
| 0101 | Dennis Nola | Seats (Total: 10) | |
| | TuTh 1:00pm - 1:50pm | PLS 1142 | |
| | TuTh 2:00pm - 4:50pm | PLS 1142 | Lab |

**LARC648** **Graduate Studio IV**

**LARC648 Graduate Studio IV; (5 credits)** Grade Method: REG/AUD.

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|---|---|---|---|
| 0101 | Jack Sullivan | Seats (Total: 10) | |
| | TuTh 1:00pm - 1:50pm | PLS 2154 | |
| | TuTh 2:00pm - 4:50pm | PLS 2154 | Lab |

**LARC663** **Landscape and Garden History**

**LARC663** *(PermReq)* **Landscape and Garden History; (3 credits)** Grade Method: REG/AUD.
*Restriction: Permission of AGNR-Plant Science & Landscape Architecture department.* History of garden making and its evolution into design practice. Students will become familiar with narratives of garden art and landscape architecture through the study of selected key sites, designers, and visual written sources. A focus on gardens' past and afterlife; the nature of primary sources (both built and written), and how these can be evaluated and used. Primary sources will be drawn from several disciplines and include a wide array of genres: treatises, epistolary exchanges, tax returns, novels, poems, paintings and drawings.

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|---|---|---|
| 0101 | Kelly Cook | Seats (Total: 10) |
| | W 2:00pm - 4:50pm | PLS 1144 |

**LARC671** **Landscape Architecture Research Methods**

**LARC671 Landscape Architecture Research Methods; (3 credits)** Grade Method: REG/AUD.
*Restriction: Permission of AGNR-Plant Science & Landscape Architecture department.* Investigation and discussion of broad scope of research methods and the development of landscape design and planning research techniques and skills. The urban environment will be viewed primarily as a social and psychological environment, with concern for who uses these environments and the conflicts that can arise between user groups.

| | | |
|---|---|---|
| 0101 | Victoria Chanse | Seats (Total: 15) |
| | TuTh 9:30am - 10:45am | PLS 1119 |

**LARC699** **Independent Studies in Landscape and Architecture**

**LARC699 Independent Studies in Landscape and Architecture; (1-3 credits)**
Grade Method: REG/P-F/AUD.

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|---|---|---|
| 3801 | Christopher Ellis<br>Contact instructor or department for details. | Seats (Total: 5) |
| 4201 | Dennis Nola<br>Contact instructor or department for details. | Seats (Total: 5) |
| 4401 | Jack Sullivan<br>Contact instructor or department for details. | Seats (Total: 5) |
| 4501 | David Myers<br>Contact instructor or department for details. | Seats (Total: 5) |
| 5801 | Byoung-Suk Kweon<br>Contact instructor or department for details. | Seats (Total: 5) |
| 6801 | Victoria Chanse<br>Contact instructor or department for details. | Seats (Total: 5) |

**LARC720** **Environmental Analysis and Site Engineering**

**LARC720** *(PermReq)* **Environmental Analysis and Site Engineering; (3 credits)**
Grade Method: REG/AUD.
*Prerequisite: LARC640; or permission of AGNR-Plant Science & Landscape Architecture department. Corequisite: LARC641.* Techniques for prediction of alterations in social and natural processes brought about by human use of the land; application of such assessments to environmental management; basic methods of landscape alteration, augmentation, and control including grading, drainage, road and trail design, and stormwater management.

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|---|---|---|---|
| 0101 | John Leonard<br>W 8:00am - 9:50am<br>W 10:00am - 11:50am | Seats (Total: 10)<br>PLS 1142<br>PLS 1142 | <br><br>Lab |

**LARC799** **Master's Thesis Research**

**LARC799** *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# LASC Certificate in Latin American Studies Spring 2013

**LASC235** **Issues in Latin American Studies II**

**LASC235 Issues in Latin American Studies II; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
*Also offered as: SPAN235, PORT235. Credit only granted for: LASC235, SPAN235, or PORT235.* Major issues shaping Latin American and Caribbean societies including the changing constructions of race, ethnicity, gender and class as well as expressions of popular cultures and revolutionary practices. A continuation of LASC/PORT/SPAN234, but completion of 234 is not a prerequisite. Taught in English.

| | | |
|---|---|---|
| 0101 | Alan Dillingham<br>TuTh 11:00am - 12:15pm | Seats (Total: 35)<br>KEY 0125 |
| 0201 | Shari Orisich<br>MW 11:00am - 12:15pm | Seats (Total: 35)<br>KEY 0125 |

**LASC235H** **Issues in Latin American Studies II**

**LASC235H Issues in Latin American Studies II; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
*Also offered as: SPAN235, PORT235. Credit only granted for: LASC235, SPAN235, or PORT235.* Major issues shaping Latin American and Caribbean societies including the changing constructions of race, ethnicity, gender and class as well as expressions of popular cultures and revolutionary practices. A continuation of LASC/PORT/SPAN234, but completion of 234 is not a prerequisite. Taught in English.

| | | |
|---|---|---|
| 0101 | Alan Dillingham<br>TuTh 11:00am - 12:15pm | Seats (Total: 5)<br>KEY 0125 |

**LASC348B** **Special Topics in Latin American Studies; Exploring Cultural Representations of Brazil**

**LASC348B Special Topics in Latin American Studies: Exploring Cultural Representations of Brazil; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as PORT388B.

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|---|---|---|
| 0101 | Talia Guzman-Gonzalez | Seats (Total: 35) |
| | TuTh 2:00pm - 3:15pm | KEY 0125 |

**LASC418A** **Special Topics in Latin American Studies; Visiting Scholar**
**Contact department for information to register for this course.**

**LASC448I** **Special Topics in Latin American Studies; Latin American and Caribbean Thought**

**LASC448I Special Topics in Latin American Studies: Latin American and Caribbean Thought; (3 credits)** Grade Method: REG.

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|---|---|---|
| 0101 | James Maffie | Seats (Total: 30) |
| | TuTh 3:30pm - 4:45pm | KEY 0123 |

**LASC458B** **Senior Capstone Course in Latin American Studies; Senior Capstone Course in Latin American Studies**

**LASC458B Senior Capstone Course in Latin American Studies: Senior Capstone Course in Latin American Studies; (3 credits)** Grade Method: REG.

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|---|---|---|
| 0101 | Beatrice Gurwitz | Seats (Total: 12) |
| | M 3:00pm - 5:45pm | JMZ 3205 |

# LATN Latin Spring 2013

**LATN101** **Elementary Latin I**

**LATN101 Elementary Latin I; (4 credits)** Grade Method: REG/P-F/AUD.
*Additional information: A student who has two units of Latin in high school may register for LATN101 for the purposes of review, but ordinarily not for credit.*

| | | | |
|---|---|---|---|
| 0101 | Luigi De Luca | Seats (Total: 25) | |
| | MWF 10:00am - 10:50am | ARM 0118 | |
| | W 9:00am - 9:50am | ARM 0118 | Discussion |

**LATN102** **Elementary Latin II**

**LATN102 Elementary Latin II; (4 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Must have completed LATN101 at University of Maryland, College Park; or permission of ARHU-Classics department.*

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|---|---|---|---|
| 0101 | Francisco Barrenechea | Seats (Total: 25) | |
| | MWF 10:00am - 10:50am | BPS 1234 | |
| | W 9:00am - 9:50am | BPS 1234 | Discussion |

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**LATN201** **Intermediate Latin**

**LATN201 Intermediate Latin; (4 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
*Prerequisite: Must have completed LATN102 at University of Maryland, College Park; or permission of ARHU-Classics department. Formerly: LATN203.*

| | | |
|---|---|---|
| 0101 | Judith Hallett | Seats (Total: 25) |
| | TuTh 11:00am - 12:50pm | MMH 1218 |

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**LATN302** **Ovid**

**LATN302 Ovid; (3 credits)** Grade Method: REG/P-F/AUD.
Major works of Ovidian poetry. Literary and moral atmosphere of Augustan age. Readings are in Latin.

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|---|---|---|
| 0101 | Judith Hallett | Seats (Total: 25) |
| | Tu 5:00pm - 7:40pm | MMH 1218 |

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**LATN405** **Lucretius**

**LATN405 Lucretius; (3 credits)** Grade Method: REG/P-F/AUD.
Readings are in Latin.

| | | |
|---|---|---|
| 0101 | Gregory Staley | Seats (Total: 15) |
| | M 5:00pm - 7:40pm | HBK 1112 |

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**LATN488O** **Latin Readings; Ovid**

**LATN488O Latin Readings: Ovid; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Judith Hallett<br>W 5:00pm - 7:40pm | Seats (Total: 15)<br>MMH 1218 |

**LATN499** **Independent Study in Latin Language and Literature**

**LATN499** *(PermReq)* **Independent Study in Latin Language and Literature; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**LATN688L** **Special Topics in Latin Literature; Lucretius**

**LATN688L Special Topics in Latin Literature: Lucretius; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Gregory Staley<br>M 5:00pm - 7:40pm | Seats (Total: 10)<br>HBK 1112 |

**LATN688O** **Special Topics in Latin Literature; Ovid**

**LATN688O Special Topics in Latin Literature: Ovid; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Judith Hallett<br>W 5:00pm - 7:40pm | Seats (Total: 10)<br>HBK 1112 |

**LATN699** **Independent Studies in Latin Literature**

**LATN699** *(PermReq)* **Independent Studies in Latin Literature; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**LATN799** **Master's Thesis Research**

**LATN799** *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# LBSC Library Science Spring 2013

**LBSC601** **Users and Information Context**

**LBSC601 Users and Information Context; (3 credits)** Grade Method: REG/AUD. *Prerequisite: Permission of INFO-College of Information Studies.* Nature and roles of information and information institutions; information behavior; studying information behavior; information policy; the information professions.

| | | |
|---|---|---|
| SG01 | Ann Prentice | Seats (Total: 22) |
| | Class time/details on ELMs | ONLINE |

**LBSC603** **Library Systems Analysis**

**LBSC603 Library Systems Analysis; (3 credits)** Grade Method: REG/AUD. *Prerequisite: Permission of INFO-College of Information Studies.* Systems approach to library and information services, emphasizing managerial decision making and problem solving. Model building, flowcharting, motion and time study, cost analyses, system design, and evaluation methods.

| | | |
|---|---|---|
| 0101 | Ping Wang | Seats (Total: 30) |
| | M 6:00pm - 8:45pm | HBK 0108 |

**LBSC622** **Information and Universal Usability**

**LBSC622 Information and Universal Usability; (3 credits)** Grade Method: REG/AUD.
Information services and technologies to provide equal experiences and outcomes to all users. Laws, standards, approaches, component concepts, access needs, and technologies in relation to physical and online information environments.

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|---|---|---|
| 0101 | Mega Subramaniam | Seats (Total: 30) |
| | M 2:00pm - 4:45pm | HBK 2119 |

**LBSC635** **Management and Administration for the Information Professional**

**LBSC635 Management and Administration for the Information Professional; (3 credits)** Grade Method: REG/AUD.
Management and administrative theory and principles and their implications and applications to information organizations.

| | | |
|---|---|---|
| 0101 | Michael Kurtz<br>M 5:30pm - 8:15pm | Seats (Total: 30)<br>HBK 0123 |
| SG01 | Bruce Dearstyne<br>Class time/details on ELMs | Seats (Total: 20)<br>ONLINE |

**LBSC641** **Selecting and Evaluating of Resources for Learning**

**LBSC641 Selecting and Evaluating of Resources for Learning; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Permission of INFO-College of Information Studies.* Policies and procedures for collection development, including identifying, evaluating, acquiring, providing, and promoting resources in all formats, to support learning and teaching in elementary and secondary schools.

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|---|---|---|
| SG01 | Gail Bailey<br>M 5:30pm - 8:15pm | Seats (Total: 30)<br>BLD3 2219 |

**LBSC646** **Literature and Materials for Young Adults**

**LBSC646 Literature and Materials for Young Adults; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Permission of INFO-College of Information Studies. Credit only granted for: LBSC646 or LBSC746. Formerly: LBSC746.* Survey of literature and other materials for older children and adolescents. Criteria for evaluating and using such materials as they relate to the needs, interests, reading abilities, and other capabilities of young readers.

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|---|---|---|
| SG01 | Myra Paul<br>Tu 5:30pm - 8:15pm | Seats (Total: 30)<br>BLD3 3225 |

**LBSC650** **Information Access Services**

**LBSC650 Information Access Services; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Permission of INFO-College of Information Studies.* Information needs, search mediation, search strategies, reference services, information access issues, collection development.

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|---|---|---|
| 0101 | Julie Strange<br>Th 5:30pm - 8:15pm | Seats (Total: 30)<br>HBK 0123 |
| ML01 | Julie Strange<br>Class time/details on ELMs<br>*Restricted to LBSO Students only.* | Seats (Total: 30)<br>ONLINE |

**LBSC670** **Organization of Information**

**LBSC670 Organization of Information; (3 credits)** Grade Method: REG/AUD. *Prerequisite: Permission of INFO-College of Information Studies.* Functions and evaluation of document and information retrieval systems; analysis and representation of data, information, knowledge, language, and text; metadata for the control of documents and other objects.

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|---|---|---|
| 0101 | Taverekere Srikantaiah<br>Class time/details on ELMs | Seats (Total: 30)<br>ONLINE |
| 0201 | Katy Lawley<br>M 5:30pm - 8:15pm | Seats (Total: 30)<br>HBK 0105 |

**LBSC680** **Principles of Records and Information Management**

**LBSC680 Principles of Records and Information Management; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: LBSC605. Restriction: Permission of INFO-College of Information Studies.* Principles and practices of managing records in the context of information management programs in government, corporate and other institutional settings. Includes access; legal requirements; digital technologies; and creation, administration, appraisal, and retention and disposition of records.

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|---|---|---|
| 0101 | Michael Miller<br>Tu 5:30pm - 8:15pm | Seats (Total: 30)<br>HBK 0105 |

**LBSC684** **Archival Arrangement and Description**

**LBSC684 Archival Arrangement and Description; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: LBSC605. Restriction: Permission of INFO-College of Information Studies.* Principles of archival arrangement and descriptioin and their application to making archival material available for research and use. National and international standards for archival description. Studies of users of archival descriptive systems. Current and emerging issues.

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|---|---|---|
| 0101 | Kenneth Heger<br>W 2:00pm - 4:45pm | Seats (Total: 30)<br>HBK 0108 |

**LBSC690** **Information Technology**

**LBSC690 Information Technology; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Permission of INFO-College of Information Studies.* Human-centered design issues, implementation and technical issues, and application and sociotechnical issues of information technology; emerging information technologies.

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|---|---|---|
| 0101 | Douglas Oard<br>Tu 5:30pm - 8:15pm | Seats (Total: 30)<br>HBK 0103 |
| ML01 | Jennifer Golbeck<br>Class time/details on ELMs<br>*Restricted to LBSO Students only.* | Seats (Total: 30)<br>ONLINE |
| SG01 | Rachael Bradley<br>Th 5:30pm - 8:15pm | Seats (Total: 30)<br>BLD3 2211 |

**LBSC703** **Field Study in Archives, Records and Information Management**

**LBSC703 Field Study in Archives, Records and Information Management; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: LBSC605, LBSC650, LBSC670, and LBSC690; and must have completed 12 additional credits. Restriction: Permission of INFO-College of Information Studies.* Supervised experience in archival, records, or information management programs in organization and institutions. Application of theories, methods, and approaches to effectively carry out work and meet program goals.

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|---|---|---|
| 0101 | Mary Choquette<br>Tu 9:30am - 12:15pm | Seats (Total: 20)<br>HBK 2119 |

**LBSC706** **Seminar in International and Comparative Librarianship and Information Science**

**LBSC706 Seminar in International and Comparative Librarianship and Information Science; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Permission of INFO-College of Information Studies.* Comparison and contrast of bibliographic systems, institutions, service arrangements, and professional patterns in developed and developing cultures. Libraries, information organizations, and international information systems viewed against the backdrop of national cultures. Influences of social, political, and economic factors upon these forms.

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|---|---|---|
| 0101 | Wendy Simmons, Jean Cavanaugh<br>Tu 5:30pm - 8:15pm | Seats (Total: 30)<br>HBK 0123 |

**LBSC707** **Field Study in Library Service**

**LBSC707 Field Study in Library Service; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: LBSC601, LBSC650, LBSC670, and LBSC690; and must have completed 12 additional credits. Restriction: Permission of INFO-College of Information Studies.* Supervised experience within library operations and/or the opportunity to perform a study to solve a specific problem in a suitable library or other information agency.

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|---|---|---|
| 0101 | Diane Barlow<br>W 2:00pm - 4:45pm<br>*The class will meet on January 30, March 6, April 3 and May.* | Seats (Total: 20)<br>HBK 0109 |
| 0201 | Maralita Freeny<br>Th 5:30pm - 8:15pm<br>*The class will meet on January 31, February 14, March 14, April 11, May 2 and May 9.* | Seats (Total: 25)<br>ASY 3219 |

**LBSC708G** **Special Topics in Information Studies; Collection Development**

**LBSC708G Special Topics in Information Studies: Collection Development; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Mary Choquette<br>M 5:30pm - 8:15pm | Seats (Total: 30)<br>HBK 2119 |

**LBSC708L** **Special Topics in Information Studies**

**LBSC708L Special Topics in Information Studies; (1-3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Jennifer Golbeck<br>Tu 2:00pm - 4:45pm | Seats (Total: 30)<br>HBK 0115 |

**LBSC709** **Independent Study**

**LBSC709 Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number. Signed independent study form must be presented to CLIS Admissions Office.

**Contact department for information to register for this course.**

**LBSC713** **Planning and Evaluating Library Services**

**LBSC713 Planning and Evaluating Library Services; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Permission of INFO-College of Information Studies.* analysis of quantitative and qualitative methods for planning and evaluating library and information services. Demonstration and use of selecte d methods, including project planning and monitoring methods.

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|---|---|---|
| 0101 | Nancy Roderer<br>Th 5:30pm - 8:15pm | Seats (Total: 30)<br>HBK 1112 |

**LBSC724** **Public Library Seminar**

**LBSC724 Public Library Seminar; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Permission of INFO-College of Information Studies.* Organization, support, and service patterns of public libraries. The public library in national, state, and local contexts.

| | | |
|---|---|---|
| SG01 | John Bertot | Seats (Total: 30) |
| | **Meets January 28, 2013 - April 29, 2013** | |
| | M 5:30pm - 8:15pm | BLD2 3012 |
| | *Class will meet January 28, February 18, March 4, March 25, April 8 and April 29.* | |

**LBSC741** **Seminar in School Library Administration**

**LBSC741 Seminar in School Library Administration; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: LBSC640; and permission of INFO-College of Information Studies.* Development, management, and evaluation of school library programs at all levels.

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|---|---|---|
| SG01 | Sheri Massey | Seats (Total: 20) |
| | W 5:30pm - 8:15pm | BLD1 0109 |

**LBSC744** **Internship in School Library**

**LBSC744 Internship in School Library; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: LBSC640, LBSC742, and LBSC741. Restriction: Permission of instructor.* Opportunities to observe and participate in the operation of school libraries at the elementary and secondary levels under the supervision of certified school librarians.

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|---|---|---|
| 0101 | Sheri Massey | Seats (Total: 16) |
| | Sa 9:30am - 12:15pm | HBK 4113 |

**LBSC748** **Advanced Seminar in Children's Literature**

**LBSC748 Advanced Seminar in Children's Literature; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Maria Salvadore | Seats (Total: 16) |
| | Th 5:30pm - 8:15pm | HBK 4113 |

**LBSC767** **Access to Federal Government Information**

**LBSC767 Access to Federal Government Information; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Permission of INFO-College of Information Studies; and LBSC650.* Research methods, information needs, information production and structure, information sources and services, and selection policies related to federal government information.

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|---|---|---|
| 0101 | John Shuler | Seats (Total: 30) |
| | Class time/details on ELMs | ONLINE |

**LBSC773** **Classification Theory**

**LBSC773 Classification Theory; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Permission of INFO-College of Information Studies; and LBSC670.* Survey of classificatory principles from bibliographic, philosophical, biological, psychological, and linguistic perspectives. Challenges to traditional principles from the cognitive sciences and their implementations for bibliographic classification.

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|---|---|---|
| 0101 | Kari Kraus | Seats (Total: 30) |
| | W 5:30pm - 8:15pm | HBK 0105 |

**LBSC783** **Seminar in Technical Services**

**LBSC783 Seminar in Technical Services; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Permission of INFO-College of Information Studies.* Technical services in large libraries, including acquisitions, cataloging, serials control, automation, cooperative programs, and managerial controls.

| | | |
|---|---|---|
| 0101 | Erik Mitchell | Seats (Total: 16) |
| | Th 2:00pm - 4:45pm | HBK 4115 |

**LBSC784** **Digital Preservation**

**LBSC784 Digital Preservation; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: LBSC605 or LBSC601; or permission of instructor. Credit only granted for: LBSC708Q or LBSC784. Formerly: LBSC708Q.* Issues and practices regarding digitization of analog materials and preservation of digital materials, both digitized and born digital.

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|---|---|---|
| 0101 | Bruce Ambacher | Seats (Total: 30) |
| | M 5:30pm - 8:15pm | HBK 0109 |

**LBSC786** **Library and Archives Preservation**

**LBSC786 Library and Archives Preservation; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Permission of INFO-College of Information Studies.* Literature and key issues in the preservation of archival and library materials. The development of preservation programs and the establishment and maintenance of effective management techniques. The nature of the materials from which archives and books are made, causes of damage and deterioration, binding structures and environmental concerns will be discussed within the context of general archives and libraries administration.

| | | |
|---|---|---|
| 0101 | Doris Hamburg | Seats (Total: 30) |
| | W 5:30pm - 8:15pm | HBK 0103 |

**LBSC799** **Master's Thesis Research**

**LBSC799 Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# LGBT Lesbian Gay Bisexual Transgender Studies Spring 2013

**LGBT200** **Introduction to Lesbian, Gay, Bisexual, and Transgender Studies**

**LGBT200 Introduction to Lesbian, Gay, Bisexual, and Transgender Studies; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
*Credit only granted for: LGBT200.* An interdisciplinary study of the historical and social contexts of personal, cultural and political aspects of LGBT life. Sources from a variety of fields, such as anthropology, history, psychology, sociology, and women's studies, focusing on writings by and about LGBT people.

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|---|---|---|
| 0101 | JV Sapinoso | Seats (Total: 40) |
| | MW 12:30pm - 1:45pm | SQH 1121 |

| | | |
|---|---|---|
| 0201 | Alyssa Samek | Seats (Total: 40) |
| | TuTh 2:00pm - 3:15pm | KEY 0126 |

**LGBT265** **Lesbian, Gay, Bisexual, and Transgender Literatures**

**LGBT265 Lesbian, Gay, Bisexual, and Transgender Literatures; (3 credits)** Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies. *Restriction: Must not have completed ENGL265. Also offered as: ENGL265. Credit only granted for: ENGL265 or LGBT265.* Exploration of literary and cultural expressions of sexuality and gender. Study of a range of historical periods and literary genres, such as essay, poetry, novel, drama, film. Topics include sexual norms and dissidence, gender identity and expression, the relationship between aesthetic forms and sexual subjectivity. Interpretation of texts particularly through the lens of queer theory. Examination of how sex and gender intersect with other forms of difference, including race and class.

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|---|---|---|
| 0101 | Nancy Stewart | Seats (Total: 30) |
| | TuTh 12:30pm - 1:45pm | SQH 1105 |

**LGBT285** **Homophobia in the U.S. Society in the New Millennium**

**LGBT285 Homophobia in the U.S. Society in the New Millennium; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies; Signature Courses - I-Series. *Credit only granted for: LGBT285 or LGBT289I. Formerly: LGBT289I.* An interdisciplinary investigation of the evolving forms of homophobia that continue to thrive and grow in the contemporary U.S., despite historical gains. Special attention to manifestations of homophobia in U.S. social, cultural, political, and legal arenas such as: popular culture/media, religious and cultural/ethnic communities, state and federal legislation, and queer subcultures. Focus on students' powers and responsibilities within struggles to end discrimination based on sexuality.

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| 0101 | JV Sapinoso | Seats (Total: 40) |
| | TuTh 11:00am - 12:15pm | LEF 2208 |

**LGBT327** **Lesbian, Gay, Bisexual, and Transgender Film and Video**

**LGBT327 Lesbian, Gay, Bisexual, and Transgender Film and Video; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
*Restriction: Junior standing or higher.* Comparative analysis of forms, themes, and the politics of representation in film and video by and/or about LGBT people. Also offered as ENGL359F.

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| 0101 | James Goodwin | Seats (Total: 35) |
| | TuTh 11:00am - 12:15pm | TYD 2102 |

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**LGBT359M** **Special Topics in Lesbian, Gay, Bisexual, and Transgender Literatures; Queer Comedy**

**LGBT359M Special Topics in Lesbian, Gay, Bisexual, and Transgender Literatures: Queer Comedy; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as ENGL359C. Prerequisite: Two lower-level English courses, at least one in literature; or permission of ARHU-English department. Repeatable to 9 credits if content differs.

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| 0101 | Martha Nell Smith | Seats (Total: 30) |
| | TuTh 2:00pm - 3:15pm | TWS 0221 |

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**LGBT386** **Lesbian, Gay, Bisexual, and Transgender Community Organization Internship**

**LGBT386** *(PermReq)* **Lesbian, Gay, Bisexual, and Transgender Community Organization Internship; (3-6 credits)** Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: 9 credits in LGBT courses. Restriction: Permission of LGBT Studies Program.* Supervised internship experience with a community organization that expressly serves lesbian, gay, bisexual, and transgender people. Students will be expected to relate course material to experience in an analysis of an organization's activities.

**Contact department for information to register for this course.**

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**LGBT448C** **Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies; Sex and the City**

**LGBT448C Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies: Sex and the City; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.
Also offered as AMST498V.

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|---|---|---|
| 0101 | Christina Hanhardt | Seats (Total: 30) |
| | TuTh 2:00pm - 3:15pm | CHM 1228 |

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**LGBT448M** **Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies; Advanced Study of Queer Latina/o Cultures: Migration and Sexuality**

**LGBT448M Special Topics in Lesbian, Gay, Bisexual, and Transgender Studies: Advanced Study of Queer Latina/o Cultures: Migration and Sexuality; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.
Also offered as AMST328A and USLT498F.

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| 0101 | Christopher Perez | Seats (Total: 30) |
| | MW 2:00pm - 3:15pm | SQH 1101 |

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**LGBT494** **Lesbian Communities and Differences**

**LGBT494 Lesbian Communities and Differences; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Must have completed one course in Women's Studies, preferably WMST200 or WMST250. Also offered as: WMST494. Credit only granted for: LGBT494 or WMST494.* The meanings of lesbian communities across many lines of difference. Using lesbian-feminists of the 1970s as a starting point, we will look both back and forward in history, tracing changes and exploring the meanings of these in their social and historical contexts.

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| 0101 | Julie Enszer | Seats (Total: 35) |
| | TuTh 9:30am - 10:45am | SQH 1117 |

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**LGBT499** **Independent Study**

**LGBT499** *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# LING Linguistics Spring 2013

**LING200** **Introductory Linguistics**

**LING200 Introductory Linguistics; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
*Credit only granted for: HESP120 or LING200. Additional information: Does not count toward the Linguistics major and does not fulfill prerequisite requirements for all upper-level courses.* An exploration of the nature of human language, designed for non-majors. Introduction to the basic concepts and methodology of modern linguistic analysis (sound systems, word formation, sentence structure). Additional topics may include: semantics, pragmatics, social aspects of language, dialects, language change, acquisition, writing systems, typology, language universals, comparison with other communication systems, etc.

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|---|---|---|---|
| 0101 | Tonia Bleam<br>MW 2:00pm - 2:50pm<br>F 10:00am - 10:50am | Seats (Total: 30)<br>MMH 1400<br>TYD 2111 | <br><br>Discussion |
| 0104 | Tonia Bleam<br>MW 2:00pm - 2:50pm<br>Th 11:00am - 11:50am | Seats (Total: 30)<br>MMH 1400<br>JMZ 0205 | <br><br>Discussion |
| 0105 | Tonia Bleam<br>MW 2:00pm - 2:50pm<br>Th 9:30am - 10:20am | Seats (Total: 30)<br>MMH 1400<br>JMZ 0208 | <br><br>Discussion |
| 0106 | Tonia Bleam<br>MW 2:00pm - 2:50pm<br>Th 2:00pm - 2:50pm | Seats (Total: 30)<br>MMH 1400<br>JMZ 0122 | <br><br>Discussion |
| 0107 | Tonia Bleam<br>MW 2:00pm - 2:50pm<br>F 11:00am - 11:50am | Seats (Total: 30)<br>MMH 1400<br>EGR 0110 | <br><br>Discussion |

**LING240** **Language and Mind**

**LING240 Language and Mind; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
*Additional information: Required for Linguistics majors and recommended for students in related fields.* The study of language as a cognitive phenomenon. Focus on mastering the concepts and technical skills required for further courses in linguistics. Ways of representing people's knowledge of their native language, ways in which that knowledge is attained naturally by children, and how it is used in speaking and listening. Additional topics may include: animal communication, language and the brain, language and thought.

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|---|---|---|
| 0101 | Margaret Antonisse | Seats (Total: 50) |
| | MWF 10:00am - 10:50am | ASY 2309 |

**LING311** **Syntax I**

**LING311 Syntax I; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: LING240.* Basic concepts, analytical techniques of generative syntax, relation to empirical limits imposed by viewing grammars as representations of a component of human mind. Aspects of current theories.

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| 0101 | Tonia Bleam | Seats (Total: 25) |
| | TuTh 2:00pm - 3:15pm | HJP 1125 |

**LING312** **Syntax II**

**LING312 Syntax II; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: LING311.* Continuation of LING311. Development of theories of syntax. Criteria for revising theories. Methods and strategies of scientific efforts to explain natural phenomena.

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| 0101 | Thomas Grano | Seats (Total: 25) |
| | TuTh 2:00pm - 3:15pm | MMH 3418 |

**LING321** **Phonology I**

**LING321 Phonology I; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: LING240.* Properties of sound systems of human languages, basic concepts and analytical techniques of generative phonology. Empirical limits imposed by viewing grammars as cognitive representations. Physiological properties and phonological systems; articulatory phonetics and distinctive feature theory.

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|---|---|---|
| 0101 | Margaret Antonisse<br>TuTh 11:00am - 12:15pm | Seats (Total: 25)<br>JMP 1202 |

**LING322** **Phonology II**

**LING322 Phonology II; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: LING321.* Continuation of LING321. Further investigation of phonological phenomena and phonological theory. Revising and elaborating the theory of the phonological representation; interaction of phonology and morphology.

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| 0101 | Shannon Barrios<br>TuTh 11:00am - 12:15pm | Seats (Total: 25)<br>MMH 3418 |

**LING410** **Grammar and Meaning**

**LING410 Grammar and Meaning; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Permission of instructor; or LING311.* The basic notions of semantic theory: reference, quantification, scope relations, compositionality, thematic relations, tense and time, etc. The role these notions play in grammars of natural languages. Properties of logical form and relationship with syntax.

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|---|---|---|
| 0101 | Alexander Williams<br>TuTh 9:30am - 10:45am | Seats (Total: 25)<br>MMH 3418 |
| 0201 | Valentine Hacquard<br>TuTh 9:30am - 10:45am | Seats (Total: 13)<br>MMH 1401G |

**LING419D** **Topics in Syntax; The Semantics of Degree**

**LING419D Topics in Syntax: The Semantics of Degree; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: LING311. Recommended: A prior course in semantics. Critically examines how the linguistic data on "degree constructions" (comparatives, equatives, measure phrase constructions) relate to theoretical innovations in the field of semantics. Introduces concepts such as relations, orders, lattices, and morphisms.

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| 0101 | Alexis Wellwood | Seats (Total: 10) |
| | M 11:00am - 12:15pm | MMH 1401G |
| | Th 2:00pm - 3:15pm | MMH 1401G |

**LING419E** **Topics in Syntax; Topics in the Syntax and Semantics of Anaphora**

**LING419E Topics in Syntax: Topics in the Syntax and Semantics of Anaphora; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: LING311. A focus on areas of obligatory coreference anaphora, such as reflexives, reciprocals, control, logophors, and quantificational binding.

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| 0101 | Christopher LaTerza | Seats (Total: 10) |
| | MW 2:00pm - 3:15pm | JMZ 1215 |

**LING440** **Grammars and Cognition**

**LING440 Grammars and Cognition; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: LING321 and LING311.* Relationship between the structure, development and functioning of grammars and the structure, development and functioning of other mental systems. Interpretations of experimental and observational work on children's language, aphasia, speech production and comprehension.

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|---|---|---|
| 0101 | Ellen Lau | Seats (Total: 15) |
| | MW 9:30am - 10:45am | TYD 1118 |

**LING499** **Directed Studies in Linguistics**

**LING499** *(PermReq)* **Directed Studies in Linguistics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**LING499C** **Directed Studies in Linguistics; Teaching Assistantship**

**LING499C Directed Studies in Linguistics: Teaching Assistantship; (1-3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Tonia Bleam | Seats (Total: 4) |
| | Contact instructor or department for details. | |

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**LING499H** **Directed Studies in Linguistics**

**LING499H** *(PermReq)* **Directed Studies in Linguistics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**LING611** **Issues in Syntax**

**LING611 Issues in Syntax; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: LING610.* Topics of current theoretical interest examined through data from a variety of languages.

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| 0101 | Masahiko Takahashi, Howard Lasnik | Seats (Total: 15) |
| | Tu 2:00pm - 5:00pm | MMH 1108B |

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**LING621** **Issues in Phonology**

**LING621 Issues in Phonology; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: LING620.* Topics of current interest in phonological theory examined through data from several languages.

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|---|---|---|
| 0101 | William Idsardi | Seats (Total: 15) |
| | TuTh 11:00am - 12:15pm | JMZ 3118 |

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**LING641** **Issues in Psycholinguistics**

**LING641 Issues in Psycholinguistics; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: LING640.* Topics of current interest in psycholinguistics, including both theoretical approaches and experimental and analytical issues in language acquisition, language processing, and neurolinguistics.

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| 0101 | Colin Phillips<br>MW 12:00pm - 1:30pm | Seats (Total: 15)<br>MMH 1108B |

**LING661** **Issues in Semantics**

**LING661 Issues in Semantics; (3 credits)** Grade Method: REG/AUD. *Prerequisite: LING660; or permission of ARHU-Linguistics department.* A second course in semantic theory. Application of basic concepts and methods to topics of current theoretical interest.

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| 0101 | Valentine Hacquard<br>TuTh 11:00am - 12:15pm | Seats (Total: 10)<br>MMH 1401G |

**LING689** **Independent Study**

**LING689 Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**LING689B** **Independent Study; Computational Psycholinguistics**

**LING689B Independent Study: Computational Psycholinguistics; (1-3 credits)** Grade Method: REG/AUD.

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| 0101 | Naomi Feldman<br>TuTh 9:30am - 10:45am | Seats (Total: 15)<br>MMH 3416 |

**LING689D** **Independent Study; Classic Papers in Semantics**

**LING689D Independent Study: Classic Papers in Semantics; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Valentine Hacquard<br>M 10:00am - 12:30pm | Seats (Total: 15)<br>PLS 1168 |

**LING698** **Directed Study; Seminar**

**LING698 Directed Study: Seminar; (1-3 credits)** Grade Method: REG/AUD. Click here for more course information.

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|---|---|---|
| 0101 | Howard Lasnik<br>F 2:00pm - 4:00pm | Seats (Total: 2)<br>MMH 1304 |

**LING773** **Computational Linguistics II**

**LING773 Computational Linguistics II; (3 credits)** Grade Method: REG/AUD. *Prerequisite: LING723 or CMSC723; or permission of instructor. Also offered as: CMSC773. Formerly: LING647.* Natural language processing with a focus on corpus-based statistical techniques. Topics include: stochastic language modeling, smoothing, noisy channel models, probabilistic grammars and parsing; lexical acquisition, similarity-based methods, word sense disambiguation, statistical methods in NLP applications; system evaluation.

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| 0101 | Philip Resnik<br>W 1:30pm - 4:00pm | Seats (Total: 30)<br>TLF 1103 |

**LING798** **Research Papers in Linguistics**

**LING798** *(PermReq)* **Research Papers in Linguistics; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**LING799** **Master's Thesis Research**

**LING799 Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**LING819** **Seminar in Syntactic Theory; On Raising**

**LING819 Seminar in Syntactic Theory: On Raising; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Howard Lasnik<br>W 3:00pm - 5:30pm | Seats (Total: 15)<br>MMH 1108B |

**LING848B** **Seminar in Computational Linguistics; Bayesian Nonparametrics**

**LING848B Seminar in Computational Linguistics: Bayesian Nonparametrics; (3 credits)** Grade Method: REG/AUD.
Also offered as CMSC828B. Credit will be granted for only one of the following: CMSC828B or LING848B.

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| 0101 | Jordan Boyd-Graber, Naomi Feldman, Hal Daume<br>M 1:00pm - 3:30pm | Seats (Total: 15)<br>MMH 3416 |

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**LING849** **Seminar in Psycholinguistics; Seminar in Psychosemantics**

**LING849 Seminar in Psycholinguistics: Seminar in Psychosemantics; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Paul Pietroski, Jeffrey Lidz<br>W 10:30am - 1:00pm | Seats (Total: 15)<br>MMH 3416 |

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**LING879** **Seminar in Semantics; Seminar in Semantics: Implicit Content**

**LING879 Seminar in Semantics: Seminar in Semantics: Implicit Content; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Alexander Williams<br>M 2:00pm - 4:30pm | Seats (Total: 15)<br>SKN 1116 |

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**LING889** **Directed Research**

**LING889 Directed Research; (1-8 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**LING889B** **Directed Research; Computational Psycholinguistics**

**LING889B Directed Research: Computational Psycholinguistics; (1-8 credits)** Grade Method: REG/AUD.

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| 0101 | Naomi Feldman<br>TuTh 9:30am - 10:45am | Seats (Total: 15)<br>MMH 3416 |

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**LING895** **Doctoral Research Paper**

**LING895 Doctoral Research Paper; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**LING896** **Research Paper in Minor Area**

**LING896 Research Paper in Minor Area; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: LING895.* This course is designed to strengthen the students' ability to do research in a minor area of expertise, and to help them create a publishable piece. In addition, the course constitutes part of a set of requirements to advance to doctoral candidacy.

**Contact department for information to register for this course.**

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**LING898** **Pre-Candidacy Research**

**LING898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**LING899** **Doctoral Dissertation Research**

**LING899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

## MAIT Masters in the Mathematics of Advanced Industrial Tech Spring 2013

**MAIT679A** **Special Topics in Mathematics of Advanced Industrial Technology**
**Contact department for information to register for this course.**

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**MAIT699** **Independent Masters Project**

**MAIT699 Independent Masters Project; (1-3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | John Benedetto<br>Contact instructor or department for details. | Seats (Total: 5) |
| 0102 | Wojciech Czaja<br>Contact instructor or department for details. | Seats (Total: 1) |
| 0501 | John Benedetto<br>Contact instructor or department for details. | Seats (Total: 10) |
| 0902 | Wojciech Czaja<br>Contact instructor or department for details. | Seats (Total: 10) |
| 2911 | Andrew Kebo<br>Contact instructor or department for details. | Seats (Total: 5) |

# MATH Mathematics Spring 2013

**MATH003** **Developmental Mathematics**

**MATH003 Developmental Mathematics; (3 credits)** Grade Method: S-F.
A review of Intermediate High School Algebra intended for students preparing for one of the credit bearing Fundamental Studies Math Courses. It is taught in special computer labs using a self-paced computer program. The curriculum will be geared toward the student's level of algebra skills and eventual goals. There is a special fee for the course that may be applied in addition to the regular tuition charge. Students should refer to the schedule of classes for details on fees as they apply to a particular semester. The course does not carry any credit toward any degree at the University. The course is repeatable. Topics will be chosen from exponents, polynomials, linear equations, quadratic equations as well as polynomial, rational, exponential and logarithm functions and elementary probability or statistics, depending on the student. Students must pay a special math fee.

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|---|---|---|
| 0601 | Colleen Terpos<br>TuTh 8:00am - 10:45am | Seats (Total: 30)<br>CEN 0200 |
| 0602 | Colleen Terpos<br>TuTh 8:00am - 10:45am | Seats (Total: 17)<br>COL 0104 |
| 0701 | Colleen Terpos<br>TuTh 11:00am - 1:45pm | Seats (Total: 22)<br>CEN 0200 |

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|---|---|---|
| 0702 | Colleen Terpos<br>TuTh 11:00am - 1:45pm | Seats (Total: 17)<br>COL 0104 |

**MATH010** **Algebra for MATH 110**

MATH 010, MATH 011, MATH 013 and MATH 015 are preparation courses for MATH 110, MATH 111, MATH 113 and MATH 115 respectively and meet only for the first 5 weeks of the semester. Special sections of MATH 110, MATH 111, MATH 113 and MATH 115 will begin at this point and the student will automatically be enrolled in the course provided he/she passes the Placement Exam for that course at the end of the 5 week period. If the Placement Exam is not passed at this point, the student will be placed in MATH 003. There will be a fee for these courses, the same as for MATH003. For the students who move into MATH 003 from MATH 010, MATH 011, MATH 013 or MATH 015, no new fee will be charged.

**MATH010 Algebra for MATH 110; (3 credits)** Grade Method: REG/P-F/AUD.

A review of Intermediate High School Algebra intended for students preparing for MATH110. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH110, the same semester, which also meets 5 days per week. Continuation in MATH110 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include linear equations, linear inequalities, operations on polynomials, factoring, solutions of quadratic equations, as well as exponential and logarithm functions. MATH010 does not carry any credit toward any degree at the University, nor is it graded. It leads to either MATH110 or MATH003, both of which are graded.

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|---|---|---|
| 1101 | Ben Bezejouh<br>MTuWThF 10:00am - 10:50am | Seats (Total: 22)<br>ARM 0105 |
| 1201 | Ben Bezejouh<br>MTuWThF 11:00am - 11:50am | Seats (Total: 22)<br>ARM 0105 |

**MATH011** **Algebra for MATH 111**

**MATH011 Algebra for MATH 111; (3 credits)** Grade Method: REG/P-F/AUD.
A review of Intermediate High School Algebra intended for students preparing for MATH111. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH111, the same semester, which also meets 5 days per week. Continuation in MATH 111 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations, quadratic equations, as well as polynomial, rational, exponential and logarithm functions, Venn diagrams, permutations and combinations. MATH011 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH111 (or MATH113 or MATH110), or MATH003, all of which are graded.

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|---|---|---|
| 1101 | Marguerite Jarchow<br>MTuWThF 9:00am - 9:50am | Seats (Total: 22)<br>ARM 0116 |
| 1201 | Marguerite Jarchow<br>MTuWThF 10:00am - 10:50am | Seats (Total: 22)<br>ARM 0116 |

**MATH013** **Algebra for MATH 113**

**MATH013 Algebra for MATH 113; (3 credits)** Grade Method: REG/P-F/AUD.
A review of Intermediate High School Algebra intended for students preparing for MATH113. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH113, the same semester, which also meets 5 days per week. Continuation in MATH113 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations, quadratic equations, as well as polynomial, rational, exponential, logarithm functions, and trigonometry. MATH013 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH113 (or MATH110), or MATH003, all of which are graded.

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|---|---|---|
| 1101 | Santuria Orsetti<br>MTuWThF 11:00am - 11:50am | Seats (Total: 22)<br>ARM 0116 |
| 1301 | Debra Franklin<br>MTuWThF 1:00pm - 1:50pm | Seats (Total: 22)<br>ARM 0116 |

**MATH015** **Algebra for MATH 115**

**MATH015 Algebra for MATH 115; (3 credits)** Grade Method: REG/P-F/AUD.
A review of Intermediate High School Algebra intended for students preparing for MATH115. It is taught 5 days per week for the first 5 weeks, then leads directly into a special section of MATH115, the same semester, which also meets 5 days per week. Continuation in MATH115 is conditional on the student passing the MATHEMATICS PLACEMENT EXAM at the appropriate level. Topics include exponents, polynomials, linear equations in one and two variables, quadratic equations, as well as polynomial, rational, exponential, logarithm functions and trigonometry. MATH015 does not carry any credit toward any degree at the University, nor is it graded. It leads directly to MATH115 (or MATH111 or MATH113 or MATH110), or MATH003, all of which are graded.

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|---|---|---|
| 1201 | Kimberly Fouche<br>MTuWThF 1:00pm - 1:50pm | Seats (Total: 22)<br>ARM 0117 |

**MATH110** **Elementary Mathematical Models**

**MATH110 Elementary Mathematical Models; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Math.
*Prerequisite: Must have math eligibility of MATH110 or higher; or permission of CMNS-Mathematics department. Restriction: Not open to students majoring in mathematics, engineering, business, life sciences, and the physical sciences; and must not have completed MATH220 or MATH140; and must not have completed any MATH or STAT course with a prerequisite of MATH140 or MATH220. Credit only granted for: MATH110, MATH112, or MATH113.* Topics include simple and compound interest; recursion for computing balances; installment loans and amortization; approximating data by linear models; analysis of applications to real-world collections of data; probability; conditional probability; independence; expected value; graphing and analysis of systems of inequalities; linear programming and applications. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83 or a TI-83+ calculator.

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| 0101 | Julie Daberkow<br>MWF 11:00am - 11:50am | Seats (Total: 25)<br>MTH B0423 |
| 0201 | Julie Daberkow<br>MWF 12:00pm - 12:50pm | Seats (Total: 25)<br>MTH B0423 |

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| 0301 | Daniel Zollers<br>MWF 1:00pm - 1:50pm | Seats (Total: 25)<br>MTH 0102 |
| 0401 | Daniel Zollers<br>MWF 2:00pm - 2:50pm | Seats (Total: 25)<br>MTH 0102 |
| 1101 | Ben Bezejouh<br>MTuWThF 10:00am - 10:50am | Seats (Total: 22)<br>ARM 0105 |
| 1201 | Ben Bezejouh<br>MTuWThF 11:00am - 11:50am | Seats (Total: 22)<br>ARM 0105 |

**MATH111** **Introduction to Probability**

**MATH111 Introduction to Probability; (3 credits)** Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Fundamental Studies - Math.
*Prerequisite: Must have math eligibility of MATH111 or higher; or MATH110. Restriction: Not open to students majoring in mathematics, engineering or the physical sciences; and must not have completed STAT100; and must not have completed any MATH or STAT course with a prerequisite of MATH141. Credit only granted for: MATH111 or STAT100.* Logic, Boolean algebra, counting, probability, random variables, expectation, applications of the normal probability distribution.

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| 0101 | Arseny Zakharov<br>MWF 1:00pm - 1:50pm | Seats (Total: 20)<br>ARM 0110 |
| 0102 | Andreas Roy<br>MWF 1:00pm - 1:50pm | Seats (Total: 20)<br>MTH 0411 |
| 0103 | Timothy Mercure<br>MWF 1:00pm - 1:50pm | Seats (Total: 20)<br>MTH 0407 |
| 0104 | Ryan Kirk<br>MWF 1:00pm - 1:50pm | Seats (Total: 20)<br>MTH 0101 |
| 0201 | Arseny Zakharov<br>MWF 2:00pm - 2:50pm | Seats (Total: 20)<br>ARM 0110 |

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| 0202 | Andreas Roy<br>MWF 2:00pm - 2:50pm | Seats (Total: 20)<br>MTH 0411 | |
| 0203 | Timothy Mercure<br>MWF 2:00pm - 2:50pm | Seats (Total: 20)<br>MTH 0407 | |
| 0204 | Ryan Kirk<br>MWF 2:00pm - 2:50pm | Seats (Total: 20)<br>MTH 0101 | |
| 0311 | Timothy Pilachowski<br>MWF 12:00pm - 12:50pm<br>Tu 8:00am - 8:50am | Seats (Total: 20)<br>ARM 0131<br>MTH 0106 | <br><br>Discussion |
| 0321 | Timothy Pilachowski<br>MWF 12:00pm - 12:50pm<br>Tu 9:00am - 9:50am | Seats (Total: 20)<br>ARM 0131<br>MTH 0106 | <br><br>Discussion |
| 0331 | Timothy Pilachowski<br>MWF 12:00pm - 12:50pm<br>Tu 10:00am - 10:50am | Seats (Total: 20)<br>ARM 0131<br>MTH 0106 | <br><br>Discussion |
| 0341 | Timothy Pilachowski<br>MWF 12:00pm - 12:50pm<br>Tu 11:00am - 11:50am | Seats (Total: 20)<br>ARM 0131<br>MTH 0106 | <br><br>Discussion |
| 1101 | Marguerite Jarchow<br>MTuWThF 9:00am - 9:50am | Seats (Total: 22)<br>ARM 0116 | |
| 1201 | Marguerite Jarchow<br>MTuWThF 10:00am - 10:50am | Seats (Total: 22)<br>ARM 0116 | |

**MATH112 College Algebra with Applications and Trigonometry**

**MATH112 College Algebra with Applications and Trigonometry; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Math.
*Prerequisite: Must have math eligibility of MATH112 or higher. Restriction: Must not have completed MATH220 or MATH140; and must not have completed any course with a prerequisite of MATH140 or MATH220. Credit only granted for: Students who have credits for MATH112 may not also receive credits for MATH110, MATH113, or MATH115.* Graphs and applications of elementary functions, including polynomial, rational, exponential and logarithmic functions. Systems of equations. Triangle trigonometry. The course differs from MATH113 only in that it covers a substantial amount of trigonometry in place of material on matrices, linear programming, sequences and series. MATH112 is strongly recommended for students in Architecture, Landscape Architecture, Life Sciences, and those needing PHYS141.

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| 0101 | Yue Tian<br>MWF 10:00am - 10:50am | Seats (Total: 27)<br>MTH 0102 |
| 0201 | Luyu Sun<br>MWF 10:00am - 10:50am | Seats (Total: 27)<br>MTH 0104 |
| 0301 | Yue Tian<br>MWF 11:00am - 11:50am | Seats (Total: 25)<br>MTH 0102 |
| 0401 | Luyu Sun<br>MWF 11:00am - 11:50am | Seats (Total: 25)<br>MTH 0104 |

**MATH113** **College Algebra and Trigonometry**

**MATH113 College Algebra and Trigonometry; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Math.
*Prerequisite: Must have math eligibility of MATH113 or higher. Restriction: Must not have completed MATH220, MATH140, MATH112, MATH115, or MATH130; and must not have completed any course with a prerequisite of MATH140 or MATH220. Credit only granted for: Students who have credits for MATH113 may not also receive credits for MATH110, MATH112, or MATH115.* Topics include elementary functions including graphs and applications of: polynomial, rational, exponential, and logarithmic functions. Systems of equations and applications. Trigonometric functions: angle and radian measure, graphs and applications.

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|---|---|---|
| 0101 | Jacqueline Stone<br>MWF 10:00am - 10:50am | Seats (Total: 30)<br>ARM 0117 |

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| 0102 | Eric Hamilton<br>MWF 10:00am - 10:50am | Seats (Total: 29)<br>MTH 0306 |
| 0103 | Elif Kuz<br>MWF 10:00am - 10:50am | Seats (Total: 29)<br>MTH B0429 |
| 0104 | Hechao Sun<br>MWF 10:00am - 10:50am | Seats (Total: 29)<br>MTH 0103 |
| 0201 | Jacqueline Stone<br>MWF 11:00am - 11:50am | Seats (Total: 29)<br>ARM 0117 |
| 0202 | Eric Hamilton<br>MWF 11:00am - 11:50am | Seats (Total: 30)<br>MTH 0306 |
| 0203 | Elif Kuz<br>MWF 11:00am - 11:50am | Seats (Total: 30)<br>MTH B0429 |
| 0204 | Hechao Sun<br>MWF 11:00am - 11:50am | Seats (Total: 30)<br>MTH 0105 |
| 1101 | Santuria Orsetti<br>MTuWThF 11:00am - 11:50am | Seats (Total: 22)<br>ARM 0116 |
| 1301 | Debra Franklin<br>MTuWThF 1:00pm - 1:50pm | Seats (Total: 22)<br>ARM 0116 |

**MATH115** **Precalculus**

**MATH115 Precalculus; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Math.
*Prerequisite: Must have math eligibility of MATH115 or higher; or MATH113. Restriction: Must not have completed MATH140; and must not have completed any MATH or STAT course with a prerequisite of MATH140. Credit only granted for: Students who have credits for MATH115 may not also receive credits for MATH112 or MATH113.* Preparation for MATH220 or MATH140. Elementary functions and graphs: polynomials, rational functions, exponential and logarithmic functions, trigonometric functions. Algebraic techniques preparatory for calculus. Preparation for MATH 220 or MATH 140. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83 or TI-83+ calculator. If purchasing used books additional software may be required.

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| 0111 | Frances Gulick<br>MW 9:00am - 9:50am<br>MWF 10:00am - 10:50am | Seats (Total: 25)<br>ARM 0135<br>ARM 0112 | <br><br>Discussion |
| 0121 | Frances Gulick<br>MW 9:00am - 9:50am<br>MWF 11:00am - 11:50am | Seats (Total: 25)<br>ARM 0135<br>ARM 0112 | <br><br>Discussion |
| 0131 | Frances Gulick<br>MW 9:00am - 9:50am<br>MWF 12:00pm - 12:50pm | Seats (Total: 25)<br>ARM 0135<br>ARM 0112 | <br><br>Discussion |
| 0141 | Frances Gulick<br>MW 9:00am - 9:50am<br>MWF 1:00pm - 1:50pm | Seats (Total: 25)<br>ARM 0135<br>ARM 0112 | <br><br>Discussion |
| 0151 | Frances Gulick<br>MW 9:00am - 9:50am<br>TuTh 8:00am - 9:15am | Seats (Total: 25)<br>ARM 0135<br>ARM 0112 | <br><br>Discussion |
| 0161 | Frances Gulick<br>MW 9:00am - 9:50am<br>TuTh 9:30am - 10:45am | Seats (Total: 25)<br>ARM 0135<br>ARM 0112 | <br><br>Discussion |
| 1201 | Kimberly Fouche<br>MTuWThF 1:00pm - 1:50pm | Seats (Total: 22)<br>MTH 0302 | |

**MATH130** **Calculus I for the Life Sciences**

**MATH130 Calculus I for the Life Sciences; (4 credits)** Grade Method: REG/AUD. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Fundamental Studies - Analytic Reasoning; Fundamental Studies - Math.
*Prerequisite: Minimum grade of C- in MATH112; or minimum grade of C- in MATH113; or minimum grade of C- in MATH115; or permission of CMNS undergraduate program office. Restriction: Must be in a major in CMNS-Biological Sciences UG Program; and not open to students majoring in mathematics, engineering or the physical sciences. Credit only granted for: MATH130, MATH220, or MATH140.* Basic ideas of differential integral calculus, with emphasis on elementary techniques and applications to the life sciences.

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|---|---|---|---|
| 0111 | Melissa Macasieb<br>TuTh 11:00am - 12:15pm<br>MW 8:00am - 8:50am | Seats (Total: 25)<br>ARM 0131<br>MTH 0101 | <br><br>Discussion |
| 0121 | Melissa Macasieb<br>TuTh 11:00am - 12:15pm<br>MW 9:00am - 9:50am | Seats (Total: 25)<br>ARM 0131<br>MTH 0101 | <br><br>Discussion |
| 0131 | Melissa Macasieb<br>TuTh 11:00am - 12:15pm<br>MW 10:00am - 10:50am | Seats (Total: 25)<br>ARM 0131<br>MTH 0101 | <br><br>Discussion |
| 0132 | Melissa Macasieb<br>TuTh 11:00am - 12:15pm<br>MW 10:00am - 10:50am | Seats (Total: 25)<br>ARM 0131<br>MTH 0106 | <br><br>Discussion |
| 0141 | Melissa Macasieb<br>TuTh 11:00am - 12:15pm<br>MW 11:00am - 11:50am | Seats (Total: 25)<br>ARM 0131<br>MTH 0106 | <br><br>Discussion |
| 0142 | Melissa Macasieb<br>TuTh 11:00am - 12:15pm<br>MW 11:00am - 11:50am | Seats (Total: 25)<br>ARM 0131<br>MTH 0103 | <br><br>Discussion |

**MATH131** **Calculus II for Life Sciences**

**MATH131 Calculus II for Life Sciences; (4 credits)** Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
*Prerequisite: Minimum grade of C- in MATH130; or minimum grade of C- in MATH140. Restriction: Must be in a major in CMNS-Biological Sciences UG Program. Credit only granted for: MATH131, MATH141, or MATH221.* Continuation of MATH130, including an introduction to autonomous differential equations, probability (including conditional probability and the normal and binomial distributions), and statistical reasoning (including confidence intervals). Alongside the mathematical concepts will be applications in biology.

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|---|---|---|---|
| 0111 | Joel Cohen<br>TuTh 9:30am - 10:45am<br>WF 8:00am - 8:50am | Seats (Total: 28)<br>ARM 0131<br>MTH 0303 | Discussion |
| 0112 | Joel Cohen<br>TuTh 9:30am - 10:45am<br>WF 8:00am - 8:50am | Seats (Total: 28)<br>ARM 0131<br>MTH 0305 | Discussion |
| 0121 | Joel Cohen<br>TuTh 9:30am - 10:45am<br>WF 9:00am - 9:50am | Seats (Total: 28)<br>ARM 0131<br>MTH 0303 | Discussion |
| 0122 | Joel Cohen<br>TuTh 9:30am - 10:45am<br>WF 9:00am - 9:50am | Seats (Total: 28)<br>ARM 0131<br>MTH 0305 | Discussion |
| 0131 | Joel Cohen<br>TuTh 9:30am - 10:45am<br>WF 12:00pm - 12:50pm | Seats (Total: 30)<br>ARM 0131<br>MTH 0302 | Discussion |
| 0132 | Joel Cohen<br>TuTh 9:30am - 10:45am<br>WF 12:00pm - 12:50pm | Seats (Total: 29)<br>ARM 0131<br>MTH 0411 | Discussion |
| 0141 | Joel Cohen<br>TuTh 9:30am - 10:45am<br>WF 11:00am - 11:50am | Seats (Total: 30)<br>ARM 0131<br>MTH 0303 | Discussion |
| 0142 | Joel Cohen<br>TuTh 9:30am - 10:45am<br>WF 11:00am - 11:50am | Seats (Total: 29)<br>ARM 0131<br>MTH 0305 | Discussion |

**MATH140** **Calculus I**

**MATH140 Calculus I; (4 credits)** Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Fundamental Studies - Analytic Reasoning; Fundamental Studies - Math.
*Prerequisite: Minimum grade of C- in MATH115. Or must have completed 3 1/2 years of college preparatory mathematics (including trigonometry); and must have math eligibility of MATH140 or higher. Or permission of CMNS-Mathematics department. Credit only granted for: MATH130, MATH220, or MATH140.* Introduction to calculus, including functions, limits, continuity, derivatives and applications of the derivative, sketching of graphs of functions, definite and indefinite integrals, and calculation of area. The course is especially recommended for science, engineering and mathematics majors. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83, TI-83+, or TI-86 calculator. If purchasing used books additional software may be required.

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| 0111 | David Hamilton<br>MWF 11:00am - 11:50am<br>TuTh 8:00am - 8:50am | Seats (Total: 27)<br>ARM 0135<br>MTH 0104 | Discussion |
| 0112 | David Hamilton<br>MWF 11:00am - 11:50am<br>TuTh 8:00am - 8:50am | Seats (Total: 27)<br>ARM 0135<br>MTH 0401 | Discussion |
| 0121 | David Hamilton<br>MWF 11:00am - 11:50am<br>TuTh 9:00am - 9:50am | Seats (Total: 27)<br>ARM 0135<br>MTH 0104 | Discussion |
| 0122 | David Hamilton<br>MWF 11:00am - 11:50am<br>TuTh 9:00am - 9:50am | Seats (Total: 27)<br>ARM 0135<br>MTH 0401 | Discussion |
| 0131 | David Hamilton<br>MWF 11:00am - 11:50am<br>TuTh 10:00am - 10:50am | Seats (Total: 27)<br>ARM 0135<br>MTH 0104 | Discussion |
| 0132 | David Hamilton<br>MWF 11:00am - 11:50am<br>TuTh 10:00am - 10:50am | Seats (Total: 27)<br>ARM 0135<br>MTH 0401 | Discussion |

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| 0141 | David Hamilton<br>MWF 11:00am - 11:50am<br>TuTh 11:00am - 11:50am | Seats (Total: 27)<br>ARM 0135<br>MTH 0104 | Discussion |
| 0142 | David Hamilton<br>MWF 11:00am - 11:50am<br>TuTh 11:00am - 11:50am | Seats (Total: 27)<br>ARM 0135<br>MTH 0401 | Discussion |
| 0211 | Wujun Zhang<br>MWF 1:00pm - 1:50pm<br>TuTh 12:00pm - 12:50pm | Seats (Total: 26)<br>ARM 0135<br>MTH B0425 | Discussion |
| 0212 | Wujun Zhang<br>MWF 1:00pm - 1:50pm<br>TuTh 12:00pm - 12:50pm | Seats (Total: 26)<br>ARM 0135<br>MTH 0104 | Discussion |
| 0221 | Wujun Zhang<br>MWF 1:00pm - 1:50pm<br>TuTh 1:00pm - 1:50pm | Seats (Total: 26)<br>ARM 0135<br>MTH B0425 | Discussion |
| 0222 | Wujun Zhang<br>MWF 1:00pm - 1:50pm<br>TuTh 1:00pm - 1:50pm | Seats (Total: 26)<br>ARM 0135<br>MTH 0104 | Discussion |
| 0231 | Wujun Zhang<br>MWF 1:00pm - 1:50pm<br>TuTh 2:00pm - 2:50pm | Seats (Total: 26)<br>ARM 0135<br>MTH B0425 | Discussion |
| 0241 | Wujun Zhang<br>MWF 1:00pm - 1:50pm<br>TuTh 3:00pm - 3:50pm | Seats (Total: 26)<br>ARM 0135<br>MTH B0425 | Discussion |

**MATH141** **Calculus II**

**MATH141 Calculus II; (4 credits)** Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
*Prerequisite: Minimum grade of C- in MATH140. Or minimum grade of B- in MATH130; and permission of CMNS-Mathematics department. Credit only granted for: MATH131, MATH141, or MATH221.* Continuation of MATH140, including techniques of integration, improper integrals, applications of integration (such as volumes, work, arc length, moments), inverse functions, exponential and logarithmic functions, sequences and series. All sections will require the use of a TI graphics calculator. Instructor will use a TI-83, TI-83+, or TI-86 calculator. Emphasis on student interaction in groups, including team approach to solving calculus based problems. In addition to the lectures, there will be 2 eighty-minute workshops each week with enhanced assistance and support for students. If purchasing used books additional software may be required.

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| 0111 | Denny Gulick<br>MWF 8:00am - 8:50am<br>TuTh 8:00am - 9:20am | Seats (Total: 22)<br>PHY 1412<br>MTH 0103 | Discussion |
| 0112 | Denny Gulick<br>MWF 8:00am - 8:50am<br>TuTh 8:00am - 9:20am | Seats (Total: 22)<br>PHY 1412<br>MTH 0302 | Discussion |
| 0113 | Denny Gulick<br>MWF 8:00am - 8:50am<br>TuTh 8:00am - 9:20am | Seats (Total: 22)<br>PHY 1412<br>MTH 0303 | Discussion |
| 0121 | Denny Gulick<br>MWF 8:00am - 8:50am<br>TuTh 9:30am - 10:50am | Seats (Total: 22)<br>PHY 1412<br>MTH 0103 | Discussion |
| 0122 | Denny Gulick<br>MWF 8:00am - 8:50am<br>TuTh 9:30am - 10:50am | Seats (Total: 22)<br>PHY 1412<br>MTH 0302 | Discussion |
| 0123 | Denny Gulick<br>MWF 8:00am - 8:50am<br>TuTh 9:30am - 10:50am | Seats (Total: 22)<br>PHY 1412<br>MTH 0303 | Discussion |
| 0131 | Denny Gulick<br>MWF 8:00am - 8:50am<br>TuTh 11:00am - 12:20pm | Seats (Total: 22)<br>PHY 1412<br>MTH 0302 | Discussion |

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|---|---|---|---|
| 0132 | Denny Gulick<br>MWF 8:00am - 8:50am<br>TuTh 11:00am - 12:20pm | Seats (Total: 22)<br>PHY 1412<br>MTH 0303 | Discussion |
| 0211 | Frances Gulick<br>MWF 11:00am - 11:50am<br>TuTh 8:00am - 9:20am | Seats (Total: 22)<br>ARM 0126<br>MTH 0101 | Discussion |
| 0212 | Frances Gulick<br>MWF 11:00am - 11:50am<br>TuTh 8:00am - 9:20am | Seats (Total: 22)<br>ARM 0126<br>MTH 0306 | Discussion |
| 0213 | Frances Gulick<br>MWF 11:00am - 11:50am<br>TuTh 8:00am - 9:20am | Seats (Total: 22)<br>ARM 0126<br>MTH 0102 | Discussion |
| 0221 | Frances Gulick<br>MWF 11:00am - 11:50am<br>TuTh 9:30am - 10:50am | Seats (Total: 22)<br>ARM 0126<br>MTH 0101 | Discussion |
| 0222 | Frances Gulick<br>MWF 11:00am - 11:50am<br>TuTh 9:30am - 10:50am | Seats (Total: 22)<br>ARM 0126<br>MTH 0306 | Discussion |
| 0223 | Frances Gulick<br>MWF 11:00am - 11:50am<br>TuTh 9:30am - 10:50am | Seats (Total: 22)<br>ARM 0126<br>MTH 0102 | Discussion |
| 0231 | Frances Gulick<br>MWF 11:00am - 11:50am<br>TuTh 11:00am - 12:20pm | Seats (Total: 22)<br>ARM 0126<br>MTH 0103 | Discussion |
| 0232 | Frances Gulick<br>MWF 11:00am - 11:50am<br>TuTh 11:00am - 12:20pm | Seats (Total: 23)<br>ARM 0126<br>MTH 0411 | Discussion |
| 0311 | Elizabeth Wilson<br>MWF 12:00pm - 12:50pm<br>TuTh 11:00am - 12:20pm | Seats (Total: 24)<br>ARM 0135<br>MTH 0101 | Discussion |

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|---|---|---|---|
| 0312 | Elizabeth Wilson<br>MWF 12:00pm - 12:50pm<br>TuTh 11:00am - 12:20pm | Seats (Total: 24)<br>ARM 0135<br>MTH 0306 | Discussion |
| 0313 | Elizabeth Wilson<br>MWF 12:00pm - 12:50pm<br>TuTh 11:00am - 12:20pm | Seats (Total: 24)<br>ARM 0135<br>MTH 0305 | Discussion |
| 0321 | Elizabeth Wilson<br>MWF 12:00pm - 12:50pm<br>TuTh 12:30pm - 1:50pm | Seats (Total: 24)<br>ARM 0135<br>MTH 0101 | Discussion |
| 0322 | Elizabeth Wilson<br>MWF 12:00pm - 12:50pm<br>TuTh 12:30pm - 1:50pm | Seats (Total: 24)<br>ARM 0135<br>MTH 0306 | Discussion |
| 0323 | Elizabeth Wilson<br>MWF 12:00pm - 12:50pm<br>TuTh 12:30pm - 1:50pm | Seats (Total: 24)<br>ARM 0135<br>MTH 0103 | Discussion |
| 0331 | Elizabeth Wilson<br>MWF 12:00pm - 12:50pm<br>TuTh 2:00pm - 3:20pm | Seats (Total: 24)<br>ARM 0135<br>MTH 0306 | Discussion |
| 0332 | Elizabeth Wilson<br>MWF 12:00pm - 12:50pm<br>TuTh 2:00pm - 3:20pm | Seats (Total: 24)<br>ARM 0135<br>MTH 0103 | Discussion |
| 0411 | Bradford Sanders<br>MWF 1:00pm - 1:50pm<br>TuTh 11:00am - 12:20pm | Seats (Total: 23)<br>ARM 0126<br>MTH 0407 | Discussion |
| 0412 | Bradford Sanders<br>MWF 1:00pm - 1:50pm<br>TuTh 11:00am - 12:20pm | Seats (Total: 23)<br>ARM 0126<br>MTH 0403 | Discussion |
| 0413 | Bradford Sanders<br>MWF 1:00pm - 1:50pm<br>TuTh 11:00am - 12:20pm | Seats (Total: 23)<br>ARM 0126<br>MTH 0409 | Discussion |

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|---|---|---|---|
| 0421 | Bradford Sanders<br>MWF 1:00pm - 1:50pm<br>TuTh 12:30pm - 1:50pm | Seats (Total: 23)<br>ARM 0126<br>MTH 0407 | Discussion |
| 0422 | Bradford Sanders<br>MWF 1:00pm - 1:50pm<br>TuTh 12:30pm - 1:50pm | Seats (Total: 23)<br>ARM 0126<br>MTH 0403 | Discussion |
| 0423 | Bradford Sanders<br>MWF 1:00pm - 1:50pm<br>TuTh 12:30pm - 1:50pm | Seats (Total: 23)<br>ARM 0126<br>MTH 1308 | Discussion |
| 0431 | Bradford Sanders<br>MWF 1:00pm - 1:50pm<br>TuTh 2:00pm - 3:20pm | Seats (Total: 23)<br>ARM 0126<br>MTH 0407 | Discussion |
| 0432 | Bradford Sanders<br>MWF 1:00pm - 1:50pm<br>TuTh 2:00pm - 3:20pm | Seats (Total: 23)<br>ARM 0126<br>MTH 0403 | Discussion |

**MATH141H** **Calculus II**

**MATH141H Calculus II; (4 credits)** Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
*Prerequisite: Minimum grade of C- in MATH140. Or minimum grade of B- in MATH130; and permission of CMNS-Mathematics department. Credit only granted for: MATH131, MATH141, or MATH221.* Continuation of MATH140, including techniques of integration, improper integrals, applications of integration (such as volumes, work, arc length, moments), inverse functions, exponential and logarithmic functions, sequences and series. For general honors students only. TI graphics calculator required. Instructor will use TI-83, TI-83+ or TI-86 calculator.

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|---|---|---|---|
| 0101 | Bradford Sanders<br>MF 11:00am - 11:50am<br>W 11:00am - 12:50pm | Seats (Total: 20)<br>CHM 0124<br>CHM 0124 | |
| 0201 | Xuemei Chen<br>WF 12:00pm - 12:50pm<br>M 12:00pm - 1:50pm | Seats (Total: 20)<br>MTH 1313<br>MTH 1313 | |

**MATH206** **Introduction to Matlab**

**MATH206 Introduction to Matlab; (1 credit)** Grade Method: REG/P-F/AUD. *Prerequisite: MATH141. Credit only granted for: CMSC206, CMSC298M, MATH206, or MATH299M.* This course is intended to prepare students for subsequent courses requiring computation with MATLAB. Covers basics of MATLAB including simple commands, variables, solving equations, graphing differentiation and integration, matrices and vectors, functions, M-files and fundamentals of programming in the MATLAB environment. When offered in Winter and Summer terms, the course is offered in a format suitable for online distance learning.

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| 0101 | Justin Wyss-Gallifent<br>**Meets January 23, 2013 - March 4, 2013**<br>Class time/details on ELMs | Seats (Total: 295)<br><br>ONLINE |

**MATH212** **Elements of Numbers and Operations**

**MATH212 Elements of Numbers and Operations; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Must have completed one year of college preparatory algebra. Restriction: Must be in one of the following programs (Early Childhood Education; Special Education; Elementary Education). Credit only granted for: MATH212 or MATH210.* Topics from algebra and number theory designed to provide insight into arithmetic: sets, functions, number systems, number theory; operations with natural numbers, integers, rational numbers; linear equations.

| | | |
|---|---|---|
| 0101 | Elizabeth Johnson<br>MWF 8:00am - 8:50am | Seats (Total: 20)<br>MTH B0423 |
| 0201 | Elizabeth Johnson<br>MWF 9:00am - 9:50am | Seats (Total: 20)<br>MTH B0423 |
| 0401 | Matthew Becker<br>MWF 12:00pm - 12:50pm | Seats (Total: 22)<br>MTH 0106 |
| 0501 | Matthew Becker<br>MWF 1:00pm - 1:50pm | Seats (Total: 22)<br>MTH 0103 |

**MATH213** **Elements of Geometry and Measurement**

**MATH213 Elements of Geometry and Measurement; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: MATH212. Restriction: Must be in one of the following programs (Early Childhood Education; Special Education; Elementary Education). Credit only granted for: MATH211 or MATH213.* Properties of geometric objects in two and three dimensions; parallel lines, curves and polygons; ratio, proportion, similarity; transformational geometry and measurement, constructions, justifications and proofs.

| | | |
|---|---|---|
| 0101 | Terence Long<br>MWF 10:00am - 10:50am | Seats (Total: 20)<br>MTH 0201 |
| 0201 | Terence Long<br>MWF 11:00am - 11:50am | Seats (Total: 20)<br>MTH 0201 |
| 0401 | Karen McLaren<br>MWF 12:00pm - 12:50pm | Seats (Total: 20)<br>MTH 0201 |

**MATH214** **Elements of Probability and Statistics**

**MATH214 Elements of Probability and Statistics; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: MATH212. Restriction: Must be in one of the following programs (Early Childhood Education; Special Education; Elementary Education). Credit only granted for: MATH211 or MATH214.* Permutations and combinations; probability; collecting and representing data; using statistics to analyze and interpret data.

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|---|---|---|
| 0101 | Joshua Himmelsbach<br>MWF 8:00am - 8:50am | Seats (Total: 20)<br>MTH 0302 |
| 0201 | Joshua Himmelsbach<br>MWF 9:00am - 9:50am | Seats (Total: 22)<br>MTH 0302 |

**MATH220** **Elementary Calculus I**

**MATH220 Elementary Calculus I; (3 credits)** Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Fundamental Studies - Analytic Reasoning; Fundamental Studies - Math.
*Prerequisite: MATH112, MATH113, or MATH115. Or must have completed 3 1/2 years of college preparatory mathematics (including trigonometry); and must have math eligibility of MATH220 or higher. Or permission of CMNS-Mathematics department. Restriction: Not open to students majoring in mathematics, engineering or the physical sciences. Credit only granted for: MATH130, MATH220, or MATH140.*
Basic ideas of differential and integral calculus, with emphasis on elementary techniques of differentiation and applications.

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|---|---|---|---|
| 0111 | Timothy Pilachowski<br>MWF 10:00am - 10:50am<br>Tu 8:00am - 8:50am | Seats (Total: 27)<br>ARM 0131<br>MTH B0425 | Discussion |
| 0112 | Timothy Pilachowski<br>MWF 10:00am - 10:50am<br>Tu 8:00am - 8:50am | Seats (Total: 27)<br>ARM 0131<br>MTH B0427 | Discussion |
| 0121 | Timothy Pilachowski<br>MWF 10:00am - 10:50am<br>Tu 9:00am - 9:50am | Seats (Total: 27)<br>ARM 0131<br>MTH B0425 | Discussion |
| 0122 | Timothy Pilachowski<br>MWF 10:00am - 10:50am<br>Tu 9:00am - 9:50am | Seats (Total: 27)<br>ARM 0131<br>MTH B0427 | Discussion |
| 0131 | Timothy Pilachowski<br>MWF 10:00am - 10:50am<br>Tu 10:00am - 10:50am | Seats (Total: 27)<br>ARM 0131<br>MTH B0425 | Discussion |
| 0132 | Timothy Pilachowski<br>MWF 10:00am - 10:50am<br>Tu 10:00am - 10:50am | Seats (Total: 27)<br>ARM 0131<br>MTH B0427 | Discussion |
| 0141 | Timothy Pilachowski<br>MWF 10:00am - 10:50am<br>Tu 11:00am - 11:50am | Seats (Total: 27)<br>ARM 0131<br>MTH B0425 | Discussion |

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|---|---|---|---|
| 0142 | Timothy Pilachowski<br>MWF 10:00am - 10:50am<br>Tu 11:00am - 11:50am | Seats (Total: 27)<br>ARM 0131<br>MTH B0427 | Discussion |
| 0211 | Kimberly Fouche<br>MWF 2:00pm - 2:50pm<br>Th 8:00am - 8:50am | Seats (Total: 27)<br>ARM 0131<br>MTH 0405 | Discussion |
| 0221 | Kimberly Fouche<br>MWF 2:00pm - 2:50pm<br>Th 9:00am - 9:50am | Seats (Total: 27)<br>ARM 0131<br>MTH 0405 | Discussion |
| 0231 | Kimberly Fouche<br>MWF 2:00pm - 2:50pm<br>Th 10:00am - 10:50am | Seats (Total: 27)<br>ARM 0131<br>MTH 0405 | Discussion |
| 0241 | Kimberly Fouche<br>MWF 2:00pm - 2:50pm<br>Th 11:00am - 11:50am | Seats (Total: 27)<br>ARM 0131<br>MTH 0405 | Discussion |
| 0311 | Patrick Fitzpatrick<br>TuTh 9:30am - 10:45am<br>M 8:00am - 8:50am | Seats (Total: 29)<br>ARM 0135<br>MTH B0427 | Discussion |
| 0312 | Patrick Fitzpatrick<br>TuTh 9:30am - 10:45am<br>M 8:00am - 8:50am | Seats (Total: 29)<br>ARM 0135<br>MTH 0407 | Discussion |
| 0321 | Patrick Fitzpatrick<br>TuTh 9:30am - 10:45am<br>M 9:00am - 9:50am | Seats (Total: 29)<br>ARM 0135<br>MTH B0427 | Discussion |
| 0322 | Patrick Fitzpatrick<br>TuTh 9:30am - 10:45am<br>M 9:00am - 9:50am | Seats (Total: 29)<br>ARM 0135<br>MTH 0407 | Discussion |
| 0331 | Patrick Fitzpatrick<br>TuTh 9:30am - 10:45am<br>M 10:00am - 10:50am | Seats (Total: 29)<br>ARM 0135<br>MTH B0427 | Discussion |

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|---|---|---|---|
| 0332 | Patrick Fitzpatrick<br>TuTh 9:30am - 10:45am<br>M 10:00am - 10:50am | Seats (Total: 29)<br>ARM 0135<br>MTH 0407 | Discussion |
| 0341 | Patrick Fitzpatrick<br>TuTh 9:30am - 10:45am<br>M 11:00am - 11:50am | Seats (Total: 29)<br>ARM 0135<br>MTH B0421 | Discussion |
| 0342 | Patrick Fitzpatrick<br>TuTh 9:30am - 10:45am<br>M 11:00am - 11:50am | Seats (Total: 29)<br>ARM 0135<br>MTH 0307 | Discussion |

**MATH221** **Elementary Calculus II**

**MATH221 Elementary Calculus II; (3 credits)** Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course.
*Prerequisite: MATH220, MATH130, or MATH140. Restriction: Not open to students majoring in mathematics, engineering or the physical sciences. Credit only granted for: MATH131, MATH141, or MATH221.* Differential and integral calculus, with emphasis on elementary techniques of integration and applications.

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|---|---|---|---|
| 0111 | Timothy Pilachowski<br>MWF 1:00pm - 1:50pm<br>Tu 8:00am - 8:50am | Seats (Total: 20)<br>ARM 0131<br>MTH 0411 | Discussion |
| 0121 | Timothy Pilachowski<br>MWF 1:00pm - 1:50pm<br>Tu 9:30am - 10:20am | Seats (Total: 20)<br>ARM 0131<br>MTH 0405 | Discussion |
| 0131 | Timothy Pilachowski<br>MWF 1:00pm - 1:50pm<br>Tu 11:00am - 11:50am | Seats (Total: 20)<br>ARM 0131<br>MTH 0201 | Discussion |
| 0141 | Timothy Pilachowski<br>MWF 1:00pm - 1:50pm<br>Tu 12:30pm - 1:20pm | Seats (Total: 20)<br>ARM 0131<br>MTH 0405 | Discussion |

**MATH240** **Introduction to Linear Algebra**

**MATH240 Introduction to Linear Algebra; (4 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in MATH131; or MATH141. Credit only granted for: MATH240, MATH341, or MATH461.* Basic concepts of linear algebra: vector spaces, applications to line and plane geometry, linear equations and matrices, similar matrices, linear transformations, eigenvalues, determinants and quadratic forms.

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|---|---|---|---|
| 0111 | McBlaine Boyle<br>MWF 10:00am - 10:50am<br>TuTh 12:00pm - 12:50pm | Seats (Total: 26)<br>ARM 0126<br>MTH 0102 | Discussion |
| 0112 | McBlaine Boyle<br>MWF 10:00am - 10:50am<br>TuTh 12:00pm - 12:50pm | Seats (Total: 26)<br>ARM 0126<br>MTH 0106 | Discussion |
| 0113 | McBlaine Boyle<br>MWF 10:00am - 10:50am<br>TuTh 12:00pm - 12:50pm | Seats (Total: 26)<br>ARM 0126<br>MTH 0105 | Discussion |
| 0121 | McBlaine Boyle<br>MWF 10:00am - 10:50am<br>TuTh 1:00pm - 1:50pm | Seats (Total: 26)<br>ARM 0126<br>MTH 0102 | Discussion |
| 0122 | McBlaine Boyle<br>MWF 10:00am - 10:50am<br>TuTh 1:00pm - 1:50pm | Seats (Total: 26)<br>ARM 0126<br>MTH 0106 | Discussion |
| 0123 | McBlaine Boyle<br>MWF 10:00am - 10:50am<br>TuTh 1:00pm - 1:50pm | Seats (Total: 26)<br>ARM 0126<br>MTH 0105 | Discussion |
| 0131 | McBlaine Boyle<br>MWF 10:00am - 10:50am<br>TuTh 2:00pm - 2:50pm | Seats (Total: 26)<br>ARM 0126<br>MTH 0106 | Discussion |
| 0132 | McBlaine Boyle<br>MWF 10:00am - 10:50am<br>TuTh 2:00pm - 2:50pm | Seats (Total: 26)<br>ARM 0126<br>MTH 0101 | Discussion |

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|---|---|---|---|
| 0141 | McBlaine Boyle<br>MWF 10:00am - 10:50am<br>TuTh 3:00pm - 3:50pm | Seats (Total: 26)<br>ARM 0126<br>MTH 0106 | Discussion |
| 0142 | McBlaine Boyle<br>MWF 10:00am - 10:50am<br>TuTh 3:00pm - 3:50pm | Seats (Total: 26)<br>ARM 0126<br>MTH 0101 | Discussion |

**MATH241** **Calculus III**

**MATH241 Calculus III; (4 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: MATH141. Credit only granted for: MATH241 or MATH340.* Introduction to multivariable calculus, including vectors and vector-valued functions, partial derivatives and applications of partial derivatives (such as tangent planes and Lagrange multipliers), multiple integrals, volume, surface area, and the classical theorems of Green, Stokes and Gauss. All sections will use MATLAB.

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|---|---|---|---|
| 0111 | Manoussos Grillakis<br>MWF 9:00am - 9:50am<br>TuTh 8:00am - 8:50am | Seats (Total: 28)<br>ARM 0126<br>MTH B0421 | Discussion |
| 0112 | Manoussos Grillakis<br>MWF 9:00am - 9:50am<br>TuTh 8:00am - 8:50am | Seats (Total: 28)<br>ARM 0126<br>MTH 0304 | Discussion |
| 0121 | Manoussos Grillakis<br>MWF 9:00am - 9:50am<br>TuTh 9:00am - 9:50am | Seats (Total: 28)<br>ARM 0126<br>MTH B0421 | Discussion |
| 0122 | Manoussos Grillakis<br>MWF 9:00am - 9:50am<br>TuTh 9:00am - 9:50am | Seats (Total: 28)<br>ARM 0126<br>MTH 0304 | Discussion |
| 0131 | Manoussos Grillakis<br>MWF 9:00am - 9:50am<br>TuTh 10:00am - 10:50am | Seats (Total: 28)<br>ARM 0126<br>MTH 0105 | Discussion |
| 0132 | Manoussos Grillakis<br>MWF 9:00am - 9:50am<br>TuTh 10:00am - 10:50am | Seats (Total: 28)<br>ARM 0126<br>MTH 0304 | Discussion |

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|---|---|---|---|
| 0141 | Manoussos Grillakis<br>MWF 9:00am - 9:50am<br>TuTh 11:00am - 11:50am | Seats (Total: 28)<br>ARM 0126<br>MTH 0105 | Discussion |
| 0142 | Manoussos Grillakis<br>MWF 9:00am - 9:50am<br>TuTh 11:00am - 11:50am | Seats (Total: 28)<br>ARM 0126<br>MTH 0102 | Discussion |
| 0211 | Casey Cremins<br>MWF 12:00pm - 12:50pm<br>TuTh 8:00am - 8:50am | Seats (Total: 27)<br>ARM 0126<br>MTH B0423 | Discussion |
| 0212 | Casey Cremins<br>MWF 12:00pm - 12:50pm<br>TuTh 8:00am - 8:50am | Seats (Total: 27)<br>ARM 0126<br>MTH 0305 | Discussion |
| 0221 | Casey Cremins<br>MWF 12:00pm - 12:50pm<br>TuTh 9:00am - 9:50am | Seats (Total: 27)<br>ARM 0126<br>MTH B0423 | Discussion |
| 0222 | Casey Cremins<br>MWF 12:00pm - 12:50pm<br>TuTh 9:00am - 9:50am | Seats (Total: 27)<br>ARM 0126<br>MTH 0305 | Discussion |
| 0231 | Casey Cremins<br>MWF 12:00pm - 12:50pm<br>TuTh 1:00pm - 1:50pm | Seats (Total: 27)<br>ARM 0126<br>MTH B0423 | Discussion |
| 0232 | Casey Cremins<br>MWF 12:00pm - 12:50pm<br>TuTh 1:00pm - 1:50pm | Seats (Total: 27)<br>ARM 0126<br>MTH 0201 | Discussion |
| 0241 | Casey Cremins<br>MWF 12:00pm - 12:50pm<br>TuTh 2:00pm - 2:50pm | Seats (Total: 27)<br>ARM 0126<br>MTH B0423 | Discussion |
| 0242 | Casey Cremins<br>MWF 12:00pm - 12:50pm<br>TuTh 2:00pm - 2:50pm | Seats (Total: 27)<br>ARM 0126<br>MTH 0201 | Discussion |

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| 0311 | Justin Wyss-Gallifent<br>MWF 2:00pm - 2:50pm<br>TuTh 8:00am - 8:50am | Seats (Total: 30)<br>ARM 0135<br>MTH 0403 | Discussion |
| 0312 | Justin Wyss-Gallifent<br>MWF 2:00pm - 2:50pm<br>TuTh 8:00am - 8:50am | Seats (Total: 30)<br>ARM 0135<br>MTH 0307 | Discussion |
| 0321 | Justin Wyss-Gallifent<br>MWF 2:00pm - 2:50pm<br>TuTh 9:00am - 9:50am | Seats (Total: 30)<br>ARM 0135<br>MTH 0105 | Discussion |
| 0322 | Justin Wyss-Gallifent<br>MWF 2:00pm - 2:50pm<br>TuTh 9:00am - 9:50am | Seats (Total: 30)<br>ARM 0135<br>MTH 0307 | Discussion |
| 0331 | Justin Wyss-Gallifent<br>MWF 2:00pm - 2:50pm<br>TuTh 1:00pm - 1:50pm | Seats (Total: 30)<br>ARM 0135<br>MTH B0429 | Discussion |
| 0341 | Justin Wyss-Gallifent<br>MWF 2:00pm - 2:50pm<br>TuTh 2:00pm - 2:50pm | Seats (Total: 30)<br>ARM 0135<br>MTH B0429 | Discussion |

**MATH241H** **Calculus III**

**MATH241H Calculus III; (4 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: MATH141. Credit only granted for: MATH241 or MATH340.* Introduction to multivariable calculus, including vectors and vector-valued functions, partial derivatives and applications of partial derivatives (such as tangent planes and Lagrange multipliers), multiple integrals, volume, surface area, and the classical theorems of Green, Stokes and Gauss. For general honors students only. MATH 241H will use MATLAB.

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|---|---|---|---|
| 0101 | Frances Gulick<br>MF 1:00pm - 1:50pm<br>W 1:00pm - 2:50pm | Seats (Total: 20)<br>MTH 0104<br>MTH 0104 | |
| 0201 | Roman Andreev<br>MF 10:00am - 10:50am<br>W 10:00am - 11:50am | Seats (Total: 20)<br>MTH 0307<br>MTH 0304 | |

**MATH246** **Differential Equations for Scientists and Engineers**

**MATH246 Differential Equations for Scientists and Engineers; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: MATH141; and (PHYS171, PHYS161, ENES102, or MATH240). Credit only granted for: MATH246 or MATH341.* An introduction to the basic methods of solving ordinary differential equations. Equations of first and second order, linear differential equations, Laplace transforms, numerical methods and the qualitative theory of differential equations. All sections will use MATLAB.

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|---|---|---|---|
| 0111 | Ronald Lipsman<br>TuTh 9:30am - 10:45am<br>W 8:00am - 8:50am | Seats (Total: 28)<br>ARM 0126<br>MTH 0407 | Discussion |
| 0112 | Ronald Lipsman<br>TuTh 9:30am - 10:45am<br>W 8:00am - 8:50am | Seats (Total: 28)<br>ARM 0126<br>MTH 0409 | Discussion |
| 0121 | Ronald Lipsman<br>TuTh 9:30am - 10:45am<br>W 9:00am - 9:50am | Seats (Total: 28)<br>ARM 0126<br>MTH 0407 | Discussion |
| 0122 | Ronald Lipsman<br>TuTh 9:30am - 10:45am<br>W 9:00am - 9:50am | Seats (Total: 28)<br>ARM 0126<br>MTH 0409 | Discussion |
| 0131 | Ronald Lipsman<br>TuTh 9:30am - 10:45am<br>W 10:00am - 10:50am | Seats (Total: 28)<br>ARM 0126<br>MTH 0411 | Discussion |
| 0132 | Ronald Lipsman<br>TuTh 9:30am - 10:45am<br>W 10:00am - 10:50am | Seats (Total: 28)<br>ARM 0126<br>MTH 0409 | Discussion |
| 0141 | Ronald Lipsman<br>TuTh 9:30am - 10:45am<br>W 11:00am - 11:50am | Seats (Total: 28)<br>ARM 0126<br>MTH 0411 | Discussion |
| 0142 | Ronald Lipsman<br>TuTh 9:30am - 10:45am<br>W 11:00am - 11:50am | Seats (Total: 28)<br>ARM 0126<br>MTH 0409 | Discussion |

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| 0211 | Maria Cameron<br>TuTh 11:00am - 12:15pm<br>M 8:00am - 8:50am | Seats (Total: 29)<br>ARM 0135<br>MTH 0305 | Discussion |
| 0212 | Maria Cameron<br>TuTh 11:00am - 12:15pm<br>M 8:00am - 8:50am | Seats (Total: 29)<br>ARM 0135<br>MTH 0403 | Discussion |
| 0221 | Maria Cameron<br>TuTh 11:00am - 12:15pm<br>M 9:00am - 9:50am | Seats (Total: 29)<br>ARM 0135<br>MTH 0305 | Discussion |
| 0222 | Maria Cameron<br>TuTh 11:00am - 12:15pm<br>M 9:00am - 9:50am | Seats (Total: 29)<br>ARM 0135<br>MTH 0401 | Discussion |
| 0231 | Maria Cameron<br>TuTh 11:00am - 12:15pm<br>M 10:00am - 10:50am | Seats (Total: 29)<br>ARM 0135<br>MTH 0305 | Discussion |
| 0232 | Maria Cameron<br>TuTh 11:00am - 12:15pm<br>M 10:00am - 10:50am | Seats (Total: 29)<br>ARM 0135<br>MTH 0401 | Discussion |
| 0241 | Maria Cameron<br>TuTh 11:00am - 12:15pm<br>M 11:00am - 11:50am | Seats (Total: 29)<br>ARM 0135<br>MTH 0305 | Discussion |
| 0242 | Maria Cameron<br>TuTh 11:00am - 12:15pm<br>M 11:00am - 11:50am | Seats (Total: 29)<br>ARM 0135<br>MTH 0401 | Discussion |
| 0311 | Michael Jakobson<br>TuTh 12:30pm - 1:45pm<br>F 8:00am - 8:50am | Seats (Total: 28)<br>ARM 0131<br>MTH 0106 | Discussion |
| 0312 | Michael Jakobson<br>TuTh 12:30pm - 1:45pm<br>F 8:00am - 8:50am | Seats (Total: 28)<br>ARM 0131<br>MTH B0425 | Discussion |

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| 0321 | Michael Jakobson<br>TuTh 12:30pm - 1:45pm<br>F 9:00am - 9:50am | Seats (Total: 28)<br>ARM 0131<br>MTH 0106 | Discussion |
| 0322 | Michael Jakobson<br>TuTh 12:30pm - 1:45pm<br>F 9:00am - 9:50am | Seats (Total: 28)<br>ARM 0131<br>MTH B0425 | Discussion |
| 0331 | Michael Jakobson<br>TuTh 12:30pm - 1:45pm<br>F 10:00am - 10:50am | Seats (Total: 28)<br>ARM 0131<br>MTH 0106 | Discussion |
| 0332 | Michael Jakobson<br>TuTh 12:30pm - 1:45pm<br>F 10:00am - 10:50am | Seats (Total: 28)<br>ARM 0131<br>MTH B0425 | Discussion |
| 0341 | Michael Jakobson<br>TuTh 12:30pm - 1:45pm<br>F 11:00am - 11:50am | Seats (Total: 28)<br>ARM 0131<br>MTH 0106 | Discussion |
| 0342 | Michael Jakobson<br>TuTh 12:30pm - 1:45pm<br>F 11:00am - 11:50am | Seats (Total: 28)<br>ARM 0131<br>MTH B0421 | Discussion |
| 0401 | Casey Cremins<br>TuTh 11:00am - 12:15pm | Seats (Total: 28)<br>ARM 0121 | |

**MATH246H** **Differential Equations for Scientists and Engineers**

**MATH246H Differential Equations for Scientists and Engineers; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: MATH141; and (PHYS171, PHYS161, ENES102, or MATH240). Credit only granted for: MATH246 or MATH341.* An introduction to the basic methods of solving ordinary differential equations. Equations of first and second order, linear differential equations, Laplace transforms, numerical methods and the qualitative theory of differential equations. For general honors students only. MATH 246H will use MATLAB.

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| 0101 | Tobias von Petersdorff<br>TuTh 9:30am - 10:45am | Seats (Total: 20)<br>MTH 1313 | |

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|---|---|---|
| 0201 | Koushik Pal<br>TuTh 9:30am - 10:45am | Seats (Total: 20)<br>MTH 0403 |

**MATH274** **History of Mathematics**

**MATH274 History of Mathematics; (3 credits)** Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
*Prerequisite: MATH140 or MATH220.* An overview of aspects in the history of mathematics from its beginning in the concrete problem solving of ancient times through the development of abstraction in the 19th and 20th centuries. The course considers both mathematical ideas and the context in which they developed in various civilizations around the world. MATH 274 cannot satisfy a CMSC major requirement.

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| 0101 | Horst Winkelnkemper<br>MWF 1:00pm - 1:50pm | Seats (Total: 26)<br>MTH 0307 |

**MATH310** **Introduction to Analysis**

**MATH310 Introduction to Analysis; (3 credits)** Grade Method: REG.
*Prerequisite: MATH141. Corequisite: MATH241. Restriction: Must be in a major within CMNS-Mathematics department. Additional information: Math majors may not use this course to satisfy an upper-level requirement.* To prepare students for MATH410 Advanced Calculus. To develop the students' ability to construct a rigorous proof of a mathematical claim. Students will also be made aware of mathematical results that are of interest to those wishing to analyze a particular mathematical model. Topics will be drawn from logic, set theory, structure of the number line, elementary topology, metric spaces, functions, sequences and continuity.

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|---|---|---|
| 0101 | Steve Halperin<br>MWF 9:00am - 9:50am | Seats (Total: 31)<br>MTH 0304 |
| 0201 | Kathryn Truman<br>MWF 12:00pm - 12:50pm | Seats (Total: 31)<br>MTH 0307 |

**MATH312** **Mathematical Reasoning and Proof for Pre-Service Middle School Teachers**

**MATH312 Mathematical Reasoning and Proof for Pre-Service Middle School Teachers; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: MATH212 and MATH213. Restriction: Permission of CMNS-Mathematics department; or must be in one of the following programs (Elementary Education; Special Education; Middle School Education).* Reasoning and proof as addressed in the middle school curriculum. Topics include proportional reasoning, logic and proof, types of numbers, field axioms, Euclidean and non-Euclidean geometry.

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| 0101 | John Seelke<br>MW 1:00pm - 2:15pm | Seats (Total: 30)<br>TYD 2111 |

**MATH341** **Multivariable Calculus, Linear Algebra, Differential Equations II (Honors)**

**MATH341** *(PermReq)* **Multivariable Calculus, Linear Algebra, Differential Equations II (Honors); (4 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: MATH340. Credit only granted for: MATH341, MATH240, MATH246, or MATH461.* A continuation of MATH340.

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|---|---|---|
| 0101 | Julia Dobrosotskaya<br>MWF 11:00am - 12:15pm | Seats (Total: 30)<br>CHM 0119 |
| 0201 | Raluca Rosca<br>MWF 12:00pm - 1:15pm | Seats (Total: 25)<br>MTH 0409 |

**MATH386** **Experiential Learning**

**MATH386** *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
*Restriction: Junior standing or higher.*

**Contact department for information to register for this course.**

**MATH401** **Applications of Linear Algebra**

**MATH401 Applications of Linear Algebra; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: 1 course with a minimum grade of C- from (MATH461, MATH240).* Various applications of linear algebra: theory of finite games, linear programming, matrix methods as applied to finite Markov chains, random walk, incidence matrices, graphs and directed graphs, networks and transportation problems.

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|---|---|---|
| 0101 | Thomas Rey<br>MWF 11:00am - 11:50am | Seats (Total: 28)<br>MTH 0407 |
| 0201 | James Schafer<br>MWF 1:00pm - 1:50pm | Seats (Total: 28)<br>MTH 0201 |
| 0301 | Jeffrey Adams<br>MWF 1:00pm - 1:50pm | Seats (Total: 28)<br>EGR 2154 |
| 0401 | Marcel Guardia<br>TuTh 12:30pm - 1:45pm | Seats (Total: 30)<br>MTH 0303 |

**MATH402** **Algebraic Structures**

**MATH402 Algebraic Structures; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: MATH240. Restriction: Must not be in any of the following programs (Mathematics (Master's); Mathematics (Doctoral)). Credit only granted for: MATH402 or MATH403.* For students having only limited experience with rigorous mathematical proofs. Parallels MATH403. Students planning graduate work in mathematics should take MATH403. Groups, rings, integral domains and fields, detailed study of several groups; properties of integers and polynomials. Emphasis is on the origin of the mathematical ideas studied and the logical structure of the subject.

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| 0101 | Joel Cohen<br>TuTh 11:00am - 12:15pm | Seats (Total: 20)<br>MTH 0304 |

**MATH403** **Introduction to Abstract Algebra**

**MATH403 Introduction to Abstract Algebra; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in MATH240 and MATH241. And minimum grade of C- in MATH310; or students who have taken courses with comparable content may contact the department. Credit only granted for: MATH402 or MATH403.* Integers; groups, rings, integral domains, fields.

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| 0101 | Koushik Pal<br>TuTh 12:30pm - 1:45pm | Seats (Total: 30)<br>EGR 1104 |

**MATH404** **Field Theory**

**MATH404 Field Theory; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: MATH403.* Algebraic and transcendental elements, Galois theory, constructions with straight-edge and compass, solutions of equations of low degrees, insolubility of the quintic equation, Sylow theorems, fundamental theorem of finite Abelian groups.

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| 0101 | James Schafer<br>TuTh 12:30pm - 1:45pm | Seats (Total: 20)<br>MTH 1311 |

**MATH405** **Linear Algebra**

**MATH405 Linear Algebra; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in MATH461 and MATH240. And minimum grade of C- in MATH310; or students who have taken courses with comparable content may contact the department.* An abstract treatment of finite dimensional vector spaces. Linear transformations and their invariants.

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| 0101 | Niranjan Ramachandran<br>MWF 10:00am - 10:50am | Seats (Total: 28)<br>CHM 0128 |
| 0201 | Elizabeth Wilson<br>MWF 10:00am - 10:50am | Seats (Total: 20)<br>MTH 1308 |

**MATH406** **Introduction to Number Theory**

**MATH406 Introduction to Number Theory; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH241, MATH246); or permission of CMNS-Mathematics department.* Integers, divisibility, prime numbers, unique factorization, congruences, quadratic reciprocity, Diophantine equations and arithmetic functions.

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| 0101 | Michelle Lee<br>MWF 11:00am - 11:50am | Seats (Total: 28)<br>MTH B0427 |
| 0201 | Thomas Haines<br>MWF 12:00pm - 12:50pm | Seats (Total: 28)<br>MTH 0102 |
| 0301 | Michelle Lee<br>MWF 1:00pm - 1:50pm | Seats (Total: 28)<br>MTH B0429 |

**MATH410** **Advanced Calculus I**

**MATH410** *(PermReq)* **Advanced Calculus I; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in MATH240 and MATH241. And minimum grade of C- in MATH310; or students who have taken courses with comparable content may contact the department. And permission of CMNS-Mathematics department.* First semester of a year course. Subjects covered during the year are: sequences and series of numbers, continuity and differentiability of real valued functions of one variable, the Riemann integral, sequences of functions and power series. Functions of several variables including partial derivatives, multiple integrals, line and surface integrals. The implicit function theorem.

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| 0101 | Abner Salgado Gonzalez<br>MWF 11:00am - 11:50am | Seats (Total: 25)<br>MTH 0101 |
| 0201 | David Hamilton<br>MWF 1:00pm - 1:50pm | Seats (Total: 28)<br>MTH 0305 |
| 0301 | Leonid Koralov<br>MWF 2:00pm - 2:50pm | Seats (Total: 25)<br>MTH B0429 |
| 0401 | Giovanni Forni<br>TuTh 12:30pm - 1:45pm | Seats (Total: 25)<br>ARM 0105 |

**MATH411** **Advanced Calculus II**

**MATH411** *(PermReq)* **Advanced Calculus II; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in MATH410; and permission of CMNS-Mathematics department. Credit only granted for: MATH411 or MATH412.*
Continuation of MATH410.

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| 0101 | McBlaine Boyle<br>MWF 12:00pm - 12:50pm | Seats (Total: 30)<br>MTH B0421 |
| 0201 | Matei Machedon<br>TuTh 12:30pm - 1:45pm | Seats (Total: 30)<br>MTH 0305 |
| 0301 | Justin Wyss-Gallifent<br>MWF 12:00pm - 12:50pm | Seats (Total: 30)<br>CHM 1224 |

**MATH412** **Advanced Calculus with Applications**

**MATH412** *(PermReq)* **Advanced Calculus with Applications; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in MATH410; and permission of CMNS-Mathematics department. Credit only granted for: MATH411 or MATH412.* Analysis in several variables, and applications, from a computational perspective.

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| 0101 | Sebastien Motsch<br>MWF 12:00pm - 12:50pm | Seats (Total: 20)<br>MTH 0403 |

**MATH416** **Applied Harmonic Analysis: An Introduction to Signal Processing**

**MATH416 Applied Harmonic Analysis: An Introduction to Signal Processing; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: MATH141 and MATH240; or permission of CMNS-Mathematics department. And familiarity with MATLAB is also required.* Introduces students to the mathematical concepts arising in signal analysis from the applied harmonic analysis point of view. Topics include applied linear algebra, Fourier series, discrete Fourier transform, Fourier transform, Shannon Sampling Theorem, wavelet bases, multiresolution analysis, and discrete wavelet transform.

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| 0101 | Xuemei Chen | Seats (Total: 20) |
| | MWF 10:00am - 10:50am | MTH B0421 |

**MATH420** **Mathematical Modeling**

**MATH420 Mathematical Modeling; (3 credits)** Grade Method: REG. CORE Capstone (CS) Course.
*Prerequisite: MATH240 or MATH461; and (MATH241, MATH246, and STAT400); and permission of CMNS-Mathematics department. Also offered as: AMSC420. Credit only granted for: AMSC420 or MATH420.* The course will develop skills in mathematical modeling through practical experience. Students will work in groups on specific projects involving real-life problems that are accessible to their existing mathematical backgrounds. In addition to the development of mathematical models, emphasis will be placed on the use of computational methods to investigate these models, and effective oral and written presentation of the results.

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| 0101 | Brian Hunt | Seats (Total: 25) |
| | MWF 11:00am - 11:50am | MTH 1313 |

**MATH430** **Euclidean and Non-Euclidean Geometries**

**MATH430 Euclidean and Non-Euclidean Geometries; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in MATH240.* Hilbert's axioms for Euclidean geometry. Neutral geometry: the consistency of the hyperbolic parallel postulate and the inconsistency of the elliptic parallel postulate with neutral geometry. Models of hyperbolic geometry. Existence and properties of isometries.

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| 0101 | Melissa Macasieb | Seats (Total: 28) |
| | TuTh 2:00pm - 3:15pm | MTH 0401 |

**MATH437** **Differential Forms**

**MATH437 Differential Forms; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: MATH241; and (MATH461 or MATH240). Recommended: MATH405, MATH403, MATH436, MATH410, or MATH432.* Introduction to differential forms and their applications, and unites the fundamental theorems of multivariable calculus in a general Stokes Theorem that is valid in great generality. It develops this theory and technique to perform calculations in analysis and geometry. Topics include an introduction to topological spaces, the Gauss-Bonnet Theorem, Gauss's formula for the linking number, and the Cauchy Integral Theorem. Applications include Maxwell's equations of electromagnetism, connections and gauge theory, and symplectic geometry and Hamiltonian dynamics.

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| 0101 | William Goldman | Seats (Total: 25) |
| | TuTh 9:30am - 10:45am | MTH 0409 |

**MATH452** **Introduction to Dynamics and Chaos**

**MATH452 Introduction to Dynamics and Chaos; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: MATH246 and MATH240. Also offered as: AMSC452. Credit only granted for: AMSC452 or MATH452.* An introduction to mathematical dynamics and chaos. Orbits, bifurcations, Cantor sets and horseshoes, symbolic dynamics, fractal dimension, notions of stability, flows and chaos. Includes motivation and historical perspectives, as well as examples of fundamental maps studied in dynamics and applications of dynamics.

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| 0101 | Giovanni Forni | Seats (Total: 28) |
| | TuTh 9:30am - 10:45am | PHY 1219 |

**MATH456** **Cryptology**

**MATH456** *(PermReq)* **Cryptology; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: 2 courses from MATH400-499 course range. Or CMSC351 and CMSC330; and permission of CMNS-Mathematics department. Also offered as: CMSC456. Credit only granted for: MATH456 or CMSC456.* Importance in protecting data in communications between computers. The subject lies on the border between mathematics and computer science. Mathematical topics include number theory and probability. Computer science topics include complexity theory.

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| 0101 | Jonathan Rosenberg<br>MWF 10:00am - 10:50am | Seats (Total: 28)<br>MTH 0105 | |
| 0201 | Lawrence Washington<br>TuTh 9:30am - 10:45am | Seats (Total: 48)<br>PHY 1402 | |

**MATH461** **Linear Algebra for Scientists and Engineers**

**MATH461 Linear Algebra for Scientists and Engineers; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: MATH141; and must have completed any MATH or STAT course with a prerequisite of MATH141. Credit only granted for: MATH240, MATH341, or MATH461. Additional information: This course may not be used towards the upper level math requirements for MATH/STAT majors.* Basic concepts of linear algebra. This course is similar to MATH 240, but with more extensive coverage of the topics needed in applied linear algebra: change of basis, complex eigenvalues, diagonalization, the Jordan canonical form.

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| 0111 | Antoine Mellet<br>MWF 2:00pm - 2:50pm<br>F 8:00am - 9:15am | Seats (Total: 28)<br>ARM 0126<br>MTH 0409 | Discussion |
| 0112 | Antoine Mellet<br>MWF 2:00pm - 2:50pm<br>F 8:00am - 9:15am | Seats (Total: 28)<br>ARM 0126<br>MTH 0411 | Discussion |
| 0121 | Antoine Mellet<br>MWF 2:00pm - 2:50pm<br>F 10:00am - 11:15am | Seats (Total: 28)<br>ARM 0126<br>MTH 0409 | Discussion |
| 0122 | Antoine Mellet<br>MWF 2:00pm - 2:50pm<br>F 10:00am - 11:15am | Seats (Total: 28)<br>ARM 0126<br>MTH 0411 | Discussion |
| 0131 | Antoine Mellet<br>MWF 2:00pm - 2:50pm<br>F 11:00am - 12:15pm | Seats (Total: 28)<br>ARM 0126<br>MTH 0401 | Discussion |

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| 0132 | Antoine Mellet<br>MWF 2:00pm - 2:50pm<br>F 11:00am - 12:15pm | Seats (Total: 28)<br>ARM 0126<br>MTH B0425 | Discussion |
| 0141 | Antoine Mellet<br>MWF 2:00pm - 2:50pm<br>F 3:30pm - 4:45pm | Seats (Total: 28)<br>ARM 0126<br>MTH B0429 | Discussion |
| 0142 | Antoine Mellet<br>MWF 2:00pm - 2:50pm<br>F 3:30pm - 4:45pm | Seats (Total: 28)<br>ARM 0126<br>MTH B0421 | Discussion |
| 0143 | Antoine Mellet<br>MWF 2:00pm - 2:50pm<br>F 3:30pm - 4:45pm | Seats (Total: 28)<br>ARM 0126<br>MTH 0401 | Discussion |

**MATH462** **Partial Differential Equations**

**MATH462 Partial Differential Equations; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MATH241 and MATH246.* Linear spaces and operators, orthogonality, Sturm-Liouville problems and eigenfunction expansions for ordinary differential equations. Introduction to partial differential equations, including the heat equation, wave equation and Laplace's equation. Boundary value problems, initial value problems and initial-boundary value problems.

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| 0101 | Manoussos Grillakis<br>MWF 11:00am - 11:50am | Seats (Total: 28)<br>CHM 0127 | |
| 0201 | Benjamin Manning<br>MWF 11:00am - 11:50am | Seats (Total: 28)<br>MTH 0405 | |

**MATH463** **Complex Variables for Scientists and Engineers**

**MATH463 Complex Variables for Scientists and Engineers; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: MATH241; or students who have taken courses with comparable content may contact the department.* The algebra of complex numbers, analytic functions, mapping properties of the elementary functions. Cauchy integral formula. Theory of residues and application to evaluation of integrals. Conformal mapping.

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| 0101 | Horst Winkelnkemper<br>MWF 3:00pm - 3:50pm | Seats (Total: 29)<br>MTH 0105 |
| 0201 | Radu Balan<br>TuTh 12:30pm - 1:45pm | Seats (Total: 29)<br>MTH 0304 |
| 0301 | Raluca Rosca<br>MWF 3:00pm - 3:50pm | Seats (Total: 20)<br>MTH 0102 |

**MATH464** **Transform Methods for Scientists and Engineers**

**MATH464 Transform Methods for Scientists and Engineers; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: MATH246.* Fourier transform, Fourier series, discrete fast Fourier transform (DFT and FFT). Laplace transform. Poisson summations, and sampling. Optional Topics: Distributions and operational calculus, PDEs, Wavelet transform, Radon transform and applications such as Imaging, Speech Processing, PDEs of Mathematical Physics, Communications, Inverse Problems.

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| 0101 | Stuart Antman<br>TuTh 11:00am - 12:15pm | Seats (Total: 35)<br>MTH 1308 |

**MATH475** **Combinatorics and Graph Theory**

**MATH475** *(PermReq)* **Combinatorics and Graph Theory; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: MATH240 and MATH241; and permission of CMNS-Mathematics department. Also offered as: CMSC475. Credit only granted for: MATH475 or CMSC475.* General enumeration methods, difference equations, generating functions. Elements of graph theory, matrix representations of graphs, applications of graph theory to transport networks, matching theory and graphical algorithms.

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| 0101 | Elizabeth Wilson<br>MWF 1:00pm - 1:50pm | Seats (Total: 37)<br>ARM 0105 |

**MATH478A** **Selected Topics For Teachers of Mathematics**

**MATH478A** *(PermReq)* **Selected Topics For Teachers of Mathematics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**MATH489** **Research Interactions in Mathematics; Research Interactions in Mathematics**

**MATH489** *(PermReq)* **Research Interactions in Mathematics: Research Interactions in Mathematics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**MATH498A** **Selected Topics in Mathematics**

**MATH498A** *(PermReq)* **Selected Topics in Mathematics; (1-9 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**MATH498K** **Selected Topics in Mathematics; Number for Middle School Teachers**

**MATH498K Selected Topics in Mathematics: Number for Middle School Teachers; (3 credits)** Grade Method: REG.

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| IH20 | Janet Walkoe<br>**Meets January 10, 2013 - May 9, 2013**<br>Th 5:00pm - 8:00pm<br>*Departmental permission required. Contact Diane James at djames1@umd.ed .* | Seats (Total: 30)<br><br>Location: TBA |
| IHP2 | Karen McLaren<br>**Meets January 2, 2013 - April 24, 2013**<br>W 5:00pm - 8:00pm | Seats (Total: 20)<br><br>Location: TBA |

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**MATH601** **Abstract Algebra II**

**MATH601 Abstract Algebra II; (3 credits)** Grade Method: REG/AUD. *Prerequisite: MATH600.* Field theory, Galois theory, multilinear algebra. Further topics from: Dedekind domains, Noetherian domains, rings with minimum condition, homological algebra. Offered Spring only.

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| 0101 | Niranjan Ramachandran | Seats (Total: 20) |
| | MWF 9:00am - 9:50am | MTH 0102 |

**MATH602** **Homological Algebra**

**MATH602 Homological Algebra; (3 credits)** Grade Method: REG/AUD. *Prerequisite: MATH600.* Projective and injective modules, homological dimensions, derived functors, spectral sequence of a composite functor. Applications.

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| 0101 | Patrick Brosnan | Seats (Total: 20) |
| | MWF 10:00am - 10:50am | MTH 1313 |

**MATH603** **Commutative Algebra**

**MATH603 Commutative Algebra; (3 credits)** Grade Method: REG/AUD. *Prerequisite: MATH600.* Ideal theory of Noetherian rings, valuations, localizations, complete local rings, Dedekind domains.

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| 0101 | James Schafer | Seats (Total: 20) |
| | TuTh 9:30am - 10:45am | MTH 0407 |

**MATH608A** **Selected Topics in Algebra**

**MATH608A Selected Topics in Algebra; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**MATH608F** **Selected Topics in Algebra; Moduli Spaces of Curves**

**MATH608F Selected Topics in Algebra: Moduli Spaces of Curves; (1-3 credits)** Grade Method: REG/AUD.

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| 0101 | Amin Gholampour | Seats (Total: 20) |
| | TuTh 11:00am - 12:15pm | MTH 1311 |

**MATH608R** **Selected Topics in Algebra; Ramsey Theory and its 'Applications'**

**MATH608R Selected Topics in Algebra: Ramsey Theory and its 'Applications'; (3 credits)** Grade Method: REG/AUD.
Also offered as AMSC698D and CMSC858R.

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| 0101 | William Gasarch | Seats (Total: 25) |
| | TuTh 2:00pm - 3:15pm | CSI 2118 |

**MATH631** **Real Analysis II**

**MATH631 Real Analysis II; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: MATH630.* Abstract measure and integration theory, metric spaces, Baire category theorem and uniform boundedness principle, Radon-Nikodym theorem, Riesz Representation theorem, Lebesgue decomposition, Banach and Hilbert Spaces, Banach-Steinhaus theorem, topological spaces, Arzela-Ascoli and Stone-Weierstrass theorems, compact sets and Tychonoff's theorem. Offered Spring only.

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| 0101 | Kasso Okoudjou | Seats (Total: 20) |
| | TuTh 11:00am - 12:15pm | MTH 1313 |

**MATH648A** **Selected Topics in Analysis**

**MATH648A Selected Topics in Analysis; (1-3 credits)** Grade Method: REG/AUD.
Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**MATH648M** **Selected Topics in Analysis; Advanced Analytic Methods with Applications**

**MATH648M Selected Topics in Analysis: Advanced Analytic Methods with Applications; (1-3 credits)** Grade Method: REG/AUD.

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| 0101 | Dionisios Margetis | Seats (Total: 25) |
| | TuTh 9:30am - 10:45am | MTH 0201 |

**MATH648P** **Selected Topics in Analysis; Introduction to Chaotic Dynamical Systems**

**MATH648P Selected Topics in Analysis: Introduction to Chaotic Dynamical Systems; (1-3 credits)** Grade Method: REG/AUD.

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| 0101 | Michael Jakobson<br>TuTh 9:30am - 10:45am | Seats (Total: 20)<br>MTH 0411 |

**MATH648Q** **Selected Topics in Analysis; Mathematical Methods for Data Dimension Reduction**

**MATH648Q Selected Topics in Analysis: Mathematical Methods for Data Dimension Reduction; (1-3 credits)** Grade Method: REG/AUD.

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| 0101 | Wojciech Czaja<br>TuTh 9:30am - 10:45am | Seats (Total: 20)<br>MTH 1311 |

**MATH660** **Complex Analysis I**

**MATH660 Complex Analysis I; (3 credits)** Grade Method: REG/AUD. *Prerequisite: MATH410; or students who have taken courses with comparable content may contact the department.* Linear transformations, analytic functions, conformal mappings, Cauchy's theorem and applications, power series, partial fractions and factorization, elementary Riemann surfaces, Riemann's mapping theorem.

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| 0101 | Richard Wentworth<br>MWF 11:00am - 11:50am | Seats (Total: 20)<br>HBK 0103 |

**MATH668A** **Selected Topics in Complex Analysis**

**MATH668A Selected Topics in Complex Analysis; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**MATH671** **Ordinary Differential Equations II**

**MATH671 Ordinary Differential Equations II; (3 credits)** Grade Method: REG/AUD. *Prerequisite: MATH630. And MATH670 or AMSC670; or students who have taken courses with comparable content may contact the department. Also offered as: AMSC671. Credit only granted for: AMSC671 or MATH671.* The content of this course varies with the interests of the instructor and the class. Stability theory, control, time delay systems, Hamiltonian systems, bifurcation theory, and boundary value problems, and the like.

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| 0101 | Vadim Kaloshin | Seats (Total: 25) |
| | TuTh 12:30pm - 1:45pm | MTH 0401 |

**MATH674** **Partial Differential Equations II**

**MATH674 Partial Differential Equations II; (3 credits)** Grade Method: REG/AUD. *Prerequisite: MATH673 or AMSC673; or permission of instructor. Also offered as: AMSC674. Credit only granted for: AMSC674 or MATH674.* Boundary value problems for elliptic partial differential equations via operator-theoretic methods. Hilbert spaces of functions. Duality, weak convergence. Sobolev spaces. Spectral theory of compact operators. Eigenfunction expansions. Offered Spring only.

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| 0101 | Pierre-Emmanuel Jabin | Seats (Total: 20) |
| | TuTh 12:30pm - 1:45pm | MTH 0411 |

**MATH689** **Research Interactions in Mathematics**

**MATH689** *(PermReq)* **Research Interactions in Mathematics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**MATH713** **Mathematical Logic II**

**MATH713 Mathematical Logic II; (3 credits)** Grade Method: REG/AUD. *Prerequisite: MATH712.* Incompleteness and undecidability results of Godel, Church, Tarski and others. Recursive function. Basic proof theory and axiomatic set theory. Offered Spring only.

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| 0101 | Michael Laskowski | Seats (Total: 20) |
| | TuTh 11:00am - 12:15pm | MTH B0431 |

**MATH718A** **Selected Topics in Mathematical Logic**

**MATH718A Selected Topics in Mathematical Logic; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**MATH734** **Algebraic Topology**

**MATH734 Algebraic Topology; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: MATH403; or students who have taken courses with comparable content may contact the department. Recommended: MATH730.* Singular homology and cohomology, cup products, Poincare duality, Eilenberg-Steenrod axioms, Whitehead and Hurewicz theorems, universal coefficient theorem, cellular homology. Offered Spring only.

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| 0101 | Sergei Novikov | Seats (Total: 20) |
| | MWF 12:00pm - 12:50pm | MTH 1311 |

**MATH744** **Lie Groups I**

**MATH744 Lie Groups I; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: MATH405, MATH403, MATH411, and MATH432; or students who have taken courses with comparable content may contact the department.* An introduction to the fundamentals of Lie groups, including some material on groups of matrices and Lie algebras.

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| 0101 | Jeffrey Adams | Seats (Total: 20) |
| | MWF 11:00am - 11:50am | MTH 1308 |

**MATH748A** **Selected Topics in Geometry and Topology**

**MATH748A Selected Topics in Geometry and Topology; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**MATH748F** **Selected Topics in Geometry and Topology; Topics in Geometric Analysis**

**MATH748F Selected Topics in Geometry and Topology: Topics in Geometric Analysis; (1-3 credits)** Grade Method: REG/AUD.

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| 0101 | Yanir Rubinstein | Seats (Total: 20) |
| | TuTh 2:00pm - 3:15pm | MTH 0411 |

**MATH799** **Master's Thesis Research**

**MATH799 Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**MATH898** **Pre-Candidacy Research**

**MATH898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**MATH899** **Doctoral Dissertation Research**

**MATH899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

## MEES Marine-Estuarine-Environmental Sciences Spring 2013

**MEES498E** **Topics in Marine-Estuarine-Environmental Sciences; Physiological Ecology of Animals**

**MEES498E Topics in Marine-Estuarine-Environmental Sciences: Physiological Ecology of Animals; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as MEES698E. Taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

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| 0101 | Christopher Rowe | Seats (Total: 20) |
| | TuTh 11:30am - 1:00pm | HJP 1213B |

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**MEES608A** **Seminar in Marine-Estuarine-Environmental Sciences; Readings in Boundary Layers and Sediment Transport**

**MEES608A Seminar in Marine-Estuarine-Environmental Sciences: Readings in Boundary Layers and Sediment Transport; (1 credit)** Grade Method: REG/AUD. Course will be taught at the Horn Point Laboratory and on the Interactiv e Video Network.

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| 0101 | Lawrence Sanford, Cindy Palinkas<br>F 9:00am - 10:30am | Seats (Total: 15)<br>HJP 1213B |

**MEES608F** **Seminar in Marine-Estuarine-Environmental Sciences; Behavioral Ecology of Marine Invertebrates**

**MEES608F Seminar in Marine-Estuarine-Environmental Sciences: Behavioral Ecology of Marine Invertebrates; (1 credit)** Grade Method: REG/AUD.
Course is taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

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| 0101 | Thomas Miller<br>F 9:30am - 11:00am | Seats (Total: 15)<br>HJP 1213C |

**MEES608L** **Seminar in Marine-Estuarine-Environmental Sciences; Molecular Microbial Ecology**

**MEES608L Seminar in Marine-Estuarine-Environmental Sciences: Molecular Microbial Ecology; (2 credits)** Grade Method: REG/AUD.
Taught at the Institute of Marine & Environmental Technology and on the Interactive Video Network.

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|---|---|---|
| 0101 | Russell Hill, Feng Chen<br>Th 3:30pm - 5:30pm | Seats (Total: 20)<br>HJP 1213B |

**MEES608O** **Seminar in Marine-Estuarine-Environmental Sciences; Current Topics in OMICS: Cell Biology and Neurosciences**

**MEES608O Seminar in Marine-Estuarine-Environmental Sciences: Current Topics in OMICS: Cell Biology and Neurosciences; (2 credits)** Grade Method: REG/AUD.
Course is taught at the Institute of Marine & Environmental Technology and on the Interactive Video Network.

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|---|---|---|
| 0101 | Shao Du, Jum Sook Chung<br>F 12:00pm - 2:00pm | Seats (Total: 15)<br>HJP 1213B |

**MEES608P** **Seminar in Marine-Estuarine-Environmental Sciences; Oil Pollution in the Aquatic Environment**

**MEES608P Seminar in Marine-Estuarine-Environmental Sciences: Oil Pollution in the Aquatic Environment; (2 credits)** Grade Method: REG/AUD.
Taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

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|---|---|---|
| 0101 | Carys Mitchelmore | Seats (Total: 15) |
| | Tu 3:00pm - 5:00pm | HJP 1213B |

**MEES608R** **Seminar in Marine-Estuarine-Environmental Sciences; Analysis of Messy Data Using Mixed Effects Models in R**

**MEES608R Seminar in Marine-Estuarine-Environmental Sciences: Analysis of Messy Data Using Mixed Effects Models in R; (1 credit)** Grade Method: REG/AUD.
Taught at the Appalachian Laboratory, Frostburg, MD.

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|---|---|---|
| 0101 | Stephen Keller, Robert Hilderbrand | Seats (Total: 20) |
| | Contact instructor or department for details. | |

**MEES608X** **Seminar in Marine-Estuarine-Environmental Sciences; Theoretical Stream Ecology**

**MEES608X Seminar in Marine-Estuarine-Environmental Sciences: Theoretical Stream Ecology; (2 credits)** Grade Method: REG/AUD.
Taught at the Appalachian Laboratory and on the Interactive Video Network.

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|---|---|---|
| 0101 | Raymond Morgan | Seats (Total: 15) |
| | W 11:30am - 1:30pm | HJP 1213B |

**MEES627** **Environmental Geochemistry II**

**MEES627 Environmental Geochemistry II; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: MEES626; or permission of instructor. Credit only granted for: MEES627 or MEES698K. Formerly: MEES698K.* Detailed examination of aquatic geochemical cycles, including inorganic and organic geochemistry. Topics include global biogeochemical cycles, estuarine cycling, redox cycles, radiochemistry, stable isotope biogeochemistry and sediment biogeochemistry/diagenesis. Taught on the Interactive Video Network.

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|---|---|---|
| 0101 | Kelly Kilbourne, Jeffrey Cornwell | Seats (Total: 20) |
| | MW 8:30am - 10:00am | HJP 1213B |

**MEES652** **Advanced Wetland Creation and Restoration**

**MEES652 Advanced Wetland Creation and Restoration; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: BSCI106; and (BSCI362, ENST450, or MEES650). Or permission of CMNS-Marine & Estuarine-Environmental Science Prog. Also offered as: ENST452, ENST652. Credit only granted for: ENST452, ENST652, or MEES652.* Design, construction, and evaluation of wetlands restored or created for ecosystem enhancement or mitigation. Topics will include ecological restoration theory, goal-setting practices for establishing wetland hydrology, substrate, and vegetation, and restored ecosystem monitoring and functional assessment.

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|---|---|---|
| 0101 | Andrew Baldwin | Seats (Total: 35) |
| | TuTh 2:00pm - 3:15pm | ANS 0412 |

**MEES661** **Physics of Estuarine and Marine Environments**

**MEES661 Physics of Estuarine and Marine Environments; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Must have completed one year of physics coursework; and must have completed one year of calculus coursework. Or permission of instructor.* General introduction to the physical oceanography of estuarine and marine systems. Physical characteristics of seawater, heat and mass transport, major ocean currents, basic dynamical oceanography, surface waves, tides, turbulence, sediment transport, estuarine circulation. Course is taught at the Horn Point Laboratory and on the Interactive Video Network.

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|---|---|---|
| 0101 | Ming Li, Shenn-Yu Chao | Seats (Total: 25) |
| | MW 1:30pm - 3:00pm | HJP 1213B |

**MEES681** **Advanced Ecological Design**

**MEES681 Advanced Ecological Design; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: MATH220 and PHYS121; and (CHEM131; or students who have taken courses with comparable content may contact the department). Or permission of instructor. Also offered as: ENST481, ENST681. Credit only granted for: ENST481, ENST681, or MEES681.* An advanced survey course on the field of ecological design. Principles of design are illustrated with case studies from biologically-based waste treatment systems, ecosystem management and sustainable development.

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|---|---|---|
| 0101 | Stephanie Lansing<br>TuTh 11:00am - 12:15pm | Seats (Total: 20)<br>ANS 1420 |

**MEES698B** **Special Topics in Marine-Estuarine-Environmental Sciences; Biometry**

**MEES698B Special Topics in Marine-Estuarine-Environmental Sciences: Biometry; (3 credits)** Grade Method: REG/AUD.
Taught at the Appalachian Laboratory and on the Interactive Video Network.

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|---|---|---|
| 0101 | Robert Hilderbrand<br>TuTh 10:00am - 11:30am | Seats (Total: 20)<br>HJP 1213B |

**MEES698D** **Special Topics in Marine-Estuarine-Environmental Sciences; Advanced Population Dynamics and Assessment**

**MEES698D Special Topics in Marine-Estuarine-Environmental Sciences: Advanced Population Dynamics and Assessment; (3 credits)** Grade Method: REG/AUD.
Taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

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|---|---|---|
| 0101 | Michael Wilberg<br>MW 10:00am - 11:30am | Seats (Total: 20)<br>HJP 1213B |

**MEES698E** **Special Topics in Marine-Estuarine-Environmental Sciences; Physiological Ecology of Animals**

**MEES698E Special Topics in Marine-Estuarine-Environmental Sciences: Physiological Ecology of Animals; (3 credits)** Grade Method: REG/AUD.
Also offered as MEES498E. Taught at the Chesapeake Biological Laboratory and on the Interactive Video Network.

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|---|---|---|
| 0101 | Christopher Rowe<br>TuTh 11:30am - 1:00pm | Seats (Total: 20)<br>HJP 1213B |

**MEES698I** **Special Topics in Marine-Estuarine-Environmental Sciences; Issues in Sustainability: Clashing Views**

**MEES698I Special Topics in Marine-Estuarine-Environmental Sciences: Issues in Sustainability: Clashing Views; (3 credits)** Grade Method: REG/AUD.
Also offered as PLSC689I.

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|---|---|---|
| 0101 | Marla McIntosh<br>Th 3:30pm - 6:30pm | Seats (Total: 20)<br>PLS 1176 |

**MEES698J** **Special Topics in Marine-Estuarine-Environmental Sciences; Advanced Industrial Ecology**

**MEES698J Special Topics in Marine-Estuarine-Environmental Sciences: Advanced Industrial Ecology; (3 credits)** Grade Method: REG/AUD.
Also offered as ENST443 and ENST643.

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|---|---|---|
| 0101 | Patrick Kangas<br>M 11:00am - 12:15pm<br>W 11:00am - 12:15pm | Seats (Total: 20)<br>ANS 0422<br>ANS 0538 |

**MEES698L** **Special Topics in Marine-Estuarine-Environmental Sciences; Phytoplankton Physiology**

**MEES698L** *(PermReq)* **Special Topics in Marine-Estuarine-Environmental Sciences: Phytoplankton Physiology; (1-3 credits)** Grade Method: REG/AUD.
Taught at the Horn Point Laboratory, Cambridge, MD.

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|---|---|---|
| 0101 | Patricia Glibert<br>Contact instructor or department for details. | Seats (Total: 10) |

**MEES698P** **Special Topics in Marine-Estuarine-Environmental Sciences; Behavioral Ecology of Prairie Dogs**

**MEES698P** *(PermReq)* **Special Topics in Marine-Estuarine-Environmental Sciences: Behavioral Ecology of Prairie Dogs; (4 credits)** Grade Method: REG/AUD.
Field course in New Mexico.

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|---|---|---|
| 0101 | John Hoogland<br>Contact instructor or department for details. | Seats (Total: 10) |

**MEES698T** **Special Topics in Marine-Estuarine-Environmental Sciences; Environmental Statistics**

**MEES698T Special Topics in Marine-Estuarine-Environmental Sciences: Environmental Statistics; (3 credits)** Grade Method: REG/AUD.
Course is taught at the Chesapeake Biological Laboratory and on the Inte teractive Video Network.

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|---|---|---|---|
| 0101 | Hongsheng Bi<br>TuTh 8:30am - 10:00am<br>F 11:00am - 12:00pm | Seats (Total: 20)<br>HJP 1213B<br>HJP 1213B | <br><br>Discussion |

**MEES698V** **Special Topics in Marine-Estuarine-Environmental Sciences; Sustainable Aquaculture**

**MEES698V Special Topics in Marine-Estuarine-Environmental Sciences: Sustainable Aquaculture; (3 credits)** Grade Method: REG/AUD.
Also offered as ANSC688Q. Taught at College Park and on the Interactive Video Network.

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| 0101 | L Woods<br>TuTh 12:00pm - 1:30pm | Seats (Total: 20)<br>HJP 1213C |

**MEES698W** **Special Topics in Marine-Estuarine-Environmental Sciences; Advanced Ecological Design**

**MEES698W Special Topics in Marine-Estuarine-Environmental Sciences: Advanced Ecological Design; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Instructor: TBA | Seats (Total: 10) |

**MEES698Y** **Special Topics in Marine-Estuarine-Environmental Sciences; Science for Environmental Management**

**MEES698Y Special Topics in Marine-Estuarine-Environmental Sciences: Science for Environmental Management; (3 credits)** Grade Method: REG/AUD.
Course is taught on the Interactive Video Network.

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| 0101 | William Dennison, Donald Boesch<br>W 3:30pm - 6:30pm | Seats (Total: 20)<br>HJP 1213B |

**MEES698Z** **Special Topics in Marine-Estuarine-Environmental Sciences; Energy and Environment**

**MEES698Z Special Topics in Marine-Estuarine-Environmental Sciences: Energy and Environment; (3 credits)** Grade Method: REG/AUD.
Also offered as ENST405.

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| 0101 | David Tilley<br>Tu 6:30pm - 9:30pm<br>Contact instructor or department for details. | Seats (Total: 20)<br>ANS 0422 |

**MEES699** **Special Problems in Marine-Estuarine-Environmental Sciences**

**MEES699** *(PermReq)* **Special Problems in Marine-Estuarine-Environmental Sciences; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**MEES799** **Masters Thesis Research**

**MEES799 Masters Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**MEES898** **Pre-Candidacy Research**

**MEES898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**MEES899** **Doctoral Dissertation Research**

**MEES899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

## MIEH Maryland Institute for Applied Environmental Health Spring 2013

**MIEH309** **Environmental Health Research**

**MIEH309 Environmental Health Research; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**MIEH600** **Foundations of Environmental Health**

**MIEH600 Foundations of Environmental Health; (3 credits)** Grade Method: REG/AUD.
*Credit only granted for: HLTH761 or MIEH600. Formerly: HLTH761.* Overview of the chemical, physical and biological hazards present in our living and working environment and their effects on human health. Topics include: exposure assessment, industrial hygiene and safety, pesticides, community and indoor pollution, food-borne diseases, solid and hazardous wastes, water resources, risk assessement, ecological issues and environmental laws.

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|---|---|---|
| 0101 | Robin Puett<br>M 4:00pm - 6:45pm | Seats (Total: 25)<br>SPH 0303 |

**MIEH609** **Methods in Toxicology**

**MIEH609** *(PermReq)* **Methods in Toxicology; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**MIEH688** **Seminar in the Maryland Institute for Applied Environmental Health: Current Topics in Environmental Health**

**MIEH688 Seminar in the Maryland Institute for Applied Environmental Health: Current Topics in Environmental Health; (1 credit)** Grade Method: S-F.

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|---|---|---|
| 0101 | Paul Turner<br>W 1:00pm - 2:00pm | Seats (Total: 10)<br>SPH 2234CC |

**MIEH720** **Principles of Toxicology**

**MIEH720 Principles of Toxicology; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: MIEH600. Recommended: Must have completed some coursework in chemistry and/or biology.* Overview of toxicology, including exposure pathways, toxicokinetics, dermal toxicants, carcinogens, and genetic, reproductive, immuno-, nuero-, target organs, complex mixtures, structure-activity analysis, and determinants of hypo- and hyper-susceptibility. Case studies of global national and regional interest.

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|---|---|---|
| 0101 | Paul Turner<br>Th 1:00pm - 3:45pm | Seats (Total: 25)<br>PLS 1146 |

**MIEH770** **Law and Policy in Environmental Health**

**MIEH770 Law and Policy in Environmental Health; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: MIEH600.* Overview of laws that affect the environment, and the various ways in which businesses are regulated by the government in the interest of protecting the environment. International, Federal, state, and local laws and regulations related to the protection of human health and the regulation of environmental containments, including biological, physicalanc chemical factors affecting community health. Examination of the interactions between and differing responsibilities of various agencies enforcing environmental laws and regulations.

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|---|---|---|
| 0101 | Sacoby Wilson | Seats (Total: 20) |
| | Tu 4:00pm - 6:45pm | SPH 0303 |

**MIEH771** **Exposure Assessment of Environmental Hazards**

**MIEH771 Exposure Assessment of Environmental Hazards; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: MIEH600 and EPIB650.* Approaches and methods for determining exposure to environmental contaminants. Biomonitoring and genetic methods to detect recent exposures. Optimizing exposure assessment.

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|---|---|---|
| 0101 | Amir Sapkota | Seats (Total: 25) |
| | M 4:00pm - 6:45pm | JMP 1109 |

**MIEH785** **Internship in Public Health**

**MIEH785 Internship in Public Health; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Permission of SPHL-Maryland Institute for Applied Environmental Health.* Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

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|---|---|---|
| 0101 | Amy Sapkota | Seats (Total: 1) |
| | Contact instructor or department for details. | |

**MIEH786** **Captsone Project in Public Health**

**MIEH786 Captsone Project in Public Health; (3 credits)** Grade Method: REG/AUD. *Prerequisite: Permission of SPHL-Maryland Institute for Applied Environmental Health.* Capstone experience provding opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

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|---|---|---|
| 0101 | Amy Sapkota | Seats (Total: 11) |
| | Contact instructor or department for details. | |

**MIEH788** **Critical Readings in Environmental Health**

**MIEH788 Critical Readings in Environmental Health; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**MIEH789** **Independent Study**

**MIEH789** *(PermReq)* **Independent Study; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**MIEH799** **Master's Thesis Research**

**MIEH799** *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**MIEH898** **Pre-Candidacy Research**

**MIEH898** *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**MIEH899** **Doctoral Dissertation Research**

**MIEH899** *(PermReq)* **Doctoral Dissertation Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# MUED Music Education Spring 2013

**MUED155** **Fundamentals for the Classroom Teacher**

**MUED155 Fundamentals for the Classroom Teacher; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Must be in one of the following programs (Early Childhood Education; Elementary Education) ; or must be a Pre-Elementary Education major; or must be a Pre-Early Childhood Education major.* The fundamentals of music theory and practice, related to the needs of the classroom and the kindergarten teacher.

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|---|---|---|
| 0101 | Charles Fletcher<br>TuTh 2:00pm - 3:15pm | Seats (Total: 25)<br>PAC 3160 |
| 0201 | Charles Fletcher<br>TuTh 11:00am - 12:15pm | Seats (Total: 25)<br>PAC 2160 |
| 0301 | Seth Glabman<br>TuTh 4:15pm - 5:30pm | Seats (Total: 25)<br>PAC 2160 |

**MUED187** **Pre-Professional Experiences II**

**MUED187** *(PermReq)* **Pre-Professional Experiences II; (1 credit)** Grade Method: REG/P-F/AUD.
*Prerequisite: MUED186. Restriction: Must be in Music Education program.* Regular on-site school visitation at elementary, middle and high school levels arranged to expand student understandings and reflections of music instruction in classroom settings.

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|---|---|---|
| 0101 | Charles Fletcher<br>M 2:00pm - 2:50pm | Seats (Total: 25)<br>PAC 2160 |

**MUED216** **Percussion Technique and Pedagogy**

**MUED216** *(PermReq)* **Percussion Technique and Pedagogy; (2 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Must be in Music Education program.* Playing experience on percussion instruments. Historical and acoustical background. Scoring for percussion. Principles of improvisation. Basic concepts of teaching. Methods and materials. Techniques of individual and class instruction.

| | | |
|---|---|---|
| 0101 | Lee Hinkle | Seats (Total: 15) |
| | MWF 8:00am - 8:50am | PAC 2540 |

**MUED217** **Brass Instrument Technique and Pedagogy**

**MUED217** *(PermReq)* **Brass Instrument Technique and Pedagogy; (2 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Must be in Music Education program.* Playing experience on instruments of the brass family. Historical and acoustical background. Principles of improvisation. Basic concepts of teaching. Methods and materials. Techniques of individual and class instruction.

| | | |
|---|---|---|
| 0101 | Anne McNamara | Seats (Total: 15) |
| | MWF 10:00am - 10:50am | PAC 1230 |

**MUED222** **Classroom Instruments Technique and Pedagogy**

**MUED222** *(PermReq)* **Classroom Instruments Technique and Pedagogy; (2 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: MUED187 and MUED186. Restriction: Must be in Music Education program.* An introduction to the fundamentals of classroom instruments technique and pedagogy for the choral and general teacher.

| | | |
|---|---|---|
| 0101 | Kevin Wiedel | Seats (Total: 15) |
| | W 12:00pm - 1:50pm | PAC 2130A |

**MUED311** **Foundations of Elementary Instrumental Instruction**

**MUED311** *(PermReq)* **Foundations of Elementary Instrumental Instruction; (2 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: MUED187. Restriction: Must be in Music Education program.* Prepare instrumental-emphasis music education majors to synthesize the knowledge and skills that will enable them to teach fundamental musical skills at the elementary level.

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|---|---|---|
| 0101 | Jennifer Doyle | Seats (Total: 15) |
| | TuTh 2:00pm - 3:15pm | PAC 2540 |

**MUED411** **Advanced Methods in Elementary Instrumental Music Instruction**

**MUED411** *(PermReq)* **Advanced Methods in Elementary Instrumental Music Instruction; (2 credits)** Grade Method: REG.
*Prerequisite: MUED320 and MUED311. Corequisite: MUED489. Restriction: Must be in Music Education program.* Prepare instrumental-emphasis music education majors to synthesize the knowledge and skills that will enable them to develop and/or maintain an exemplary curricular-oriented, research-based, comprehensive elementary instrumental music program.

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|---|---|---|
| 0101 | Jennifer Doyle | Seats (Total: 15) |
| | Tu 11:00am - 11:50am | PAC 2540 |
| | Th 9:00am - 11:50am | PAC 2540 |

**MUED472** **Choral Methods**

**MUED472** *(PermReq)* **Choral Methods; (2 credits)** Grade Method: REG/AUD.
GenEd: Distributive Studies - Scholarship in Practice.
*Prerequisite: MUED471. Corequisite: MUED489. Restriction: Must be in Music Education program.* Preparation for teaching choral classes through the integration of conducting technique, vocal pedagogy, knowledge of repertoire, and the application of appropriate instructional strategies in the context of peer teaching and field experience assignments.

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|---|---|---|
| 0101 | Kenneth Elpus | Seats (Total: 15) |
| | W 4:00pm - 6:00pm | PAC 2130A |

**MUED473** **Secondary General Music Methods**

**MUED473** *(PermReq)* **Secondary General Music Methods; (2 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: MUED311; and MUED320. Restriction: Must be in Music Education program.* Introduction to current trends, materials and approaches in general music instruction.

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|---|---|---|
| 0101 | Janet Montgomery<br>Tu 9:00am - 10:40am | Seats (Total: 20)<br>PAC 2130A |

**MUED474** **Field Experiences: Pre-Student Teaching**

**MUED474** *(PermReq)* **Field Experiences: Pre-Student Teaching; (1 credit)** Grade Method: REG.
*Prerequisite: MUED420 and MUED411; or (MUED472 and MUED471). Restriction: Permission of ARHU-School of Music department; and senior standing.* Field experiences to fulfill teaching requirements in K-12 music teacher education program.

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|---|---|---|
| 0101 | Janet Montgomery<br>Tu 7:30pm - 8:30pm | Seats (Total: 15)<br>PAC 2160 |

**MUED484** **Student Teaching in Elementary School: Music**

**MUED484** *(PermReq)* **Student Teaching in Elementary School: Music; (4-6 credits)** Grade Method: S-F.
*Corequisite: MUED494. Restriction: Permission of ARHU-School of Music department; and must be in Music Education program.* Fulfills elementary teaching requirements in K-12 music teacher education program. Limited to music education majors who have previously applied.

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|---|---|---|
| 0101 | Kenneth Elpus<br>Contact instructor or department for details. | Seats (Total: 15) |

**MUED489C** **Field Experiences**

**MUED489C** *(PermReq)* **Field Experiences; (1 credit)** Grade Method: REG/P-F/AUD. Prerequisite: permission of department. Restricted to music education majors only. Repeatable to 6 credits.

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|---|---|---|
| 0101 | Kenneth Elpus<br>Th 9:00am - 12:00pm | Seats (Total: 10)<br>PAC 2130A |

**MUED489I** **Field Experiences**

**MUED489I** *(PermReq)* **Field Experiences; (1 credit)** Grade Method: REG/P-F/AUD. Prerequisite: permission of department. Restricted to music education majors only. Repeatable to 6 credits.

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|---|---|---|
| 0101 | Jennifer Doyle | Seats (Total: 15) |
| | Contact instructor or department for details. | |

**MUED494** **Student Teaching in Secondary School: Music**

**MUED494** *(PermReq)* **Student Teaching in Secondary School: Music; (4-6 credits)** Grade Method: S-F.
*Corequisite: MUED484. Restriction: Permission of ARHU-School of Music department; and must be in Music Education program.* Fulfill secondary teaching requirements in K-12 music teacher education program. Limited to music education majors who have previously applied.

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|---|---|---|
| 0101 | Kenneth Elpus | Seats (Total: 15) |
| | Contact instructor or department for details. | |

**MUED692** **Foundations and Perspectives of Music Education**

**MUED692** *(PermReq)* **Foundations and Perspectives of Music Education; (3 credits)** Grade Method: REG/AUD.
*Restriction: Permission of ARHU-School of Music department.* An introduction to historical, sociological, and philosophical perspectives of music education.

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|---|---|---|
| 0101 | Janet Montgomery | Seats (Total: 15) |
| | M 5:30pm - 8:00pm | PAC 2130A |

# MUSC School of Music Spring 2013

**MUSC099** **Performance Attendance**

**MUSC099 Performance Attendance; (No credit)** Grade Method: S-F.

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|---|---|---|
| 0101 | David George | Seats (Total: 150) |
| | Contact instructor or department for details. | |

**MUSC100** **Beginning Class Voice**

**MUSC100 Beginning Class Voice; (2 credits)** Grade Method: REG/P-F/AUD.
A laboratory course involving a variety of voices and vocal problems. Principles of correct breathing as applied to singing; fundamentals of tone production and diction. Repertoire of folk songs and songs of the Classical and Romantic periods. Development of students' voices.

| | | |
|---|---|---|
| 0101 | Madeline Miskie<br>MW 11:00am - 11:50am | Seats (Total: 15)<br>PAC 2170 |
| 0102 | Madeline Miskie<br>MW 2:00pm - 2:50pm | Seats (Total: 15)<br>PAC 2170 |

**MUSC103** **Beginning Class Piano II**

**MUSC103** *(PermReq)* **Beginning Class Piano II; (2 credits)** Grade Method: REG/AUD.
*Prerequisite: MUSC102; or permission of ARHU-School of Music department.*
Functional piano training for beginners. Development of techniques useful for school and community playing. Basic piano techniques; chord, arpeggio, and scale techniques; melody and song playing; simple accompaniments, improvisation for accompaniments and rhythms; sight reading and transposition, and playing by ear. MUSC 103 is a continuation of MUSC 102; elementary repertoire is begun. Limited to music majors.

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|---|---|---|
| 0101 | Michael Angelucci<br>TuTh 11:00am - 12:15pm | Seats (Total: 14)<br>PAC 1123 |
| 0201 | Christiana Iheadindu<br>MWF 11:00am - 11:50am | Seats (Total: 14)<br>PAC 1123 |
| 0301 | Daniel Pereira<br>MWF 1:00pm - 1:50pm | Seats (Total: 14)<br>PAC 1123 |

**MUSC106** **Beginning Classical Guitar**

**MUSC106 Beginning Classical Guitar; (2 credits)** Grade Method: REG/P-F/AUD.
Introduction to classical guitar notation, technique, literature and performance. No previous musical experience required.

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|---|---|---|---|
| 0101 | Gerard Kunkel | Seats (Total: 12) | |
| | MW 11:00am - 11:50am | PAC 1230 | |

**MUSC126** **Vocal Diction: English and Latin**

**MUSC126** *(PermReq)* **Vocal Diction: English and Latin; (1 credit)** Grade Method: REG/P-F/AUD.
*Prerequisite: Permission of ARHU-School of Music department.* Augmentation of private voice study. Phonetics and diction for singers of English and Latin vocal literature.

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|---|---|---|---|
| 0101 | Joseph Regan | Seats (Total: 15) | |
| | TuTh 11:00am - 11:50am | PAC 3164 | |

**MUSC128** **Sight Reading For Pianists**

**MUSC128** *(PermReq)* **Sight Reading For Pianists; (2 credits)** Grade Method: REG/P-F/AUD.
For Bachelor of Music piano majors only.

| | | | |
|---|---|---|---|
| 0101 | Daniel Pereira | Seats (Total: 5) | |
| | MW 10:00am - 10:50am | PAC 2201 | |

**MUSC129A** **Ensemble; Chamber Strings**

**MUSC129A** *(PermReq)* **Ensemble: Chamber Strings; (1 credit)** Grade Method: REG.
Contact instructor to make arrangements. For Music majors only.

| | | | |
|---|---|---|---|
| 0101 | Evelyn Elsing | Seats (Total: 45) | |
| | TuTh 11:00am - 12:15pm | PAC 2201 | Lab |

**MUSC129B** **Ensemble; Chamber Woodwinds**

**MUSC129B** *(PermReq)* **Ensemble: Chamber Woodwinds; (1 credit)** Grade Method: REG.
Contact instructor to make arrangements. For Music majors only.

| | | | |
|---|---|---|---|
| 0101 | Mark Hill | Seats (Total: 40) | |
| | TuTh 11:00am - 12:15pm | PAC 2201 | Lab |

**MUSC129C** **Ensemble; Chamber Brasses**

**MUSC129C** *(PermReq)* **Ensemble: Chamber Brasses; (1 credit)** Grade Method: REG/P-F/AUD.
For Music majors only.

| | | | |
|---|---|---|---|
| 0101 | Gregory Miller | Seats (Total: 30) | |
| | TuTh 11:00am - 12:15pm | PAC 2201 | Lab |

**MUSC129G** **Ensemble; Balinese Gamelan**

**MUSC129G Ensemble: Balinese Gamelan; (1 credit)** Grade Method: REG.

| | | | |
|---|---|---|---|
| 0101 | I Suadin | Seats (Total: 20) | |
| | Th 7:00pm - 8:30pm | PAC 1230 | Lab |

**MUSC129H** **Ensemble; Harp**

**MUSC129H** *(PermReq)* **Ensemble: Harp; (1 credit)** Grade Method: REG.
For Music majors only. Contact instructor to make arrangements.

| | | | |
|---|---|---|---|
| 0101 | Sarah Fuller | Seats (Total: 6) | |
| | TuTh 11:00am - 12:15pm | Location: TBA | Lab |

**MUSC129I** **Ensemble; New Music**

**MUSC129I** *(PermReq)* **Ensemble: New Music; (1 credit)** Grade Method: REG.
Contact instructor to make arrangements.

| | | |
|---|---|---|
| 0101 | Dora Hanninen | Seats (Total: 5) |
| | Contact instructor or department for details. | |

**MUSC129K** **Ensemble; Japanese Koto**

**MUSC129K Ensemble: Japanese Koto; (1 credit)** Grade Method: REG.

| | | | |
|---|---|---|---|
| 0101 | Kyoko Okamoto | Seats (Total: 10) | |
| | Tu 5:30pm - 7:00pm | PAC 3160 | Lab |

**MUSC129L** **Ensemble; Advanced Japanese Koto**

**MUSC129L** *(PermReq)* **Ensemble: Advanced Japanese Koto; (1 credit)** Grade Method: REG.
Prerequisite: Contact instructor to make arrangements.

| | | | |
|---|---|---|---|
| 0101 | Kyoko Okamoto | Seats (Total: 4) | |
| | Tu 7:00pm - 8:30pm | PAC 3160 | Lab |

**MUSC129M** **Ensemble; Flute Choir**

**MUSC129M** *(PermReq)* **Ensemble: Flute Choir; (1 credit)** Grade Method: REG.
Contact instructor to make arrangements.

| | | | |
|---|---|---|---|
| 0101 | William Montgomery | Seats (Total: 6) | |
| | TBA | PAC 1130C | Lab |

**MUSC129N** **Ensemble; University of Maryland Brass**

**MUSC129N** *(PermReq)* **Ensemble: University of Maryland Brass; (1 credit)** Grade Method: REG.

| | | | |
|---|---|---|---|
| 0101 | Gregory Miller | Seats (Total: 24) | |
| | W 7:30pm - 10:00pm | PAC 1230 | Lab |

**MUSC129P** **Ensemble; Percussion**

**MUSC129P** *(PermReq)* **Ensemble: Percussion; (1 credit)** Grade Method: REG.

| | | | |
|---|---|---|---|
| 0101 | Lee Hinkle | Seats (Total: 15) | |
| | F 3:30pm - 6:00pm | PAC 2540 | Lab |
| | W 5:00pm - 7:00pm | PAC 2540 | Lab |

**MUSC129Q** **Ensemble; Korean Percussion Ensemble**

**MUSC129Q Ensemble: Korean Percussion Ensemble; (1 credit)** Grade Method: REG.

| | | | |
|---|---|---|---|
| 0101 | Sebastian Wang | Seats (Total: 17) | |
| | Th 7:00pm - 8:30pm | PAC 2170 | Lab |

**MUSC129R** **Ensemble; Clarinet Choir**

**MUSC129R** *(PermReq)* **Ensemble: Clarinet Choir; (1 credit)** Grade Method: REG.

| | | |
|---|---|---|
| 0101 | Instructor: TBA | Seats (Total: 15) |
| | Contact instructor or department for details. | |

**MUSC129S** **Ensemble; Saxophone**

**MUSC129S** *(PermReq)* **Ensemble: Saxophone; (1 credit)** Grade Method: REG.

| | | | |
|---|---|---|---|
| 0101 | Timothy Powell | Seats (Total: 10) | |
| | Tu 7:30pm - 9:30pm | PAC 2126 | Lab |

**MUSC129T** **Ensemble; Trombone**

**MUSC129T** *(PermReq)* **Ensemble: Trombone; (1 credit)** Grade Method: REG.

| | | |
|---|---|---|
| 0101 | Christopher Dudley | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**MUSC129U** **Ensemble; Tuba and Euphonium**

**MUSC129U** *(PermReq)* **Ensemble: Tuba and Euphonium; (1 credit)** Grade Method: REG.

| | | |
|---|---|---|
| 0101 | Paul Kellner | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**MUSC140** **Music Fundamentals I**

**MUSC140 Music Fundamentals I; (3 credits)** Grade Method: REG/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Scholarship in Practice.
*Restriction: Must not be in any of the following programs (Music (Professional Program); Music Education).* Introductory theory course. Notation, scales, intervals, triads, rhythm, form and basic aural skills.

| | | | |
|---|---|---|---|
| 0101 | Joel Pierson<br>MW 11:00am - 11:50am<br>F 11:00am - 11:50am | Seats (Total: 12)<br>PAC 2168<br>PAC 1108 | <br><br>Discussion |
| 0102 | Joel Pierson<br>MW 11:00am - 11:50am<br>F 10:00am - 10:50am | Seats (Total: 12)<br>PAC 2168<br>PAC 1108 | <br><br>Discussion |
| 0201 | Joel Pierson<br>MW 12:00pm - 12:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 12)<br>PAC 2168<br>PAC 1108 | <br><br>Discussion |
| 0202 | Joel Pierson<br>MW 12:00pm - 12:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 12)<br>PAC 2168<br>PAC 1108 | <br><br>Discussion |

**MUSC151** **Theory of Music II**

**MUSC151** *(PermReq)* **Theory of Music II; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Minimum grade of C- in MUSC150.* A continuation of MUSC150, including study of more advanced harmonic techniques of the eighteenth century, such as modulation and chromatic harmonies. Emphasis on sight singing, ear training, analysis and compositional skills.

| | | | |
|---|---|---|---|
| 0101 | Richard Layton<br>MWF 8:00am - 8:50am<br>TuTh 9:00am - 9:50am | Seats (Total: 6)<br>PAC 2168<br>PAC 3164 | <br><br>Lab |
| 0102 | Richard Layton<br>MWF 8:00am - 8:50am<br>TuTh 10:00am - 10:50am | Seats (Total: 6)<br>PAC 2168<br>PAC 3164 | <br><br>Lab |

| | | | |
|---|---|---|---|
| 0201 | Richard Layton<br>MWF 9:00am - 9:50am<br>TuTh 9:00am - 9:50am | Seats (Total: 6)<br>PAC 2168<br>PAC 2164 | <br><br>Lab |
| 0202 | Richard Layton<br>MWF 9:00am - 9:50am<br>TuTh 9:00am - 9:50am | Seats (Total: 6)<br>PAC 2168<br>PAC 2168 | <br><br>Lab |
| 0301 | Richard Layton<br>MWF 10:00am - 10:50am<br>TuTh 10:00am - 10:50am | Seats (Total: 6)<br>PAC 2168<br>PAC 2164 | <br><br>Lab |
| 0302 | Richard Layton<br>MWF 10:00am - 10:50am<br>TuTh 10:00am - 10:50am | Seats (Total: 6)<br>PAC 2168<br>PAC 2168 | <br><br>Lab |

**MUSC203** **Intermediate Class Piano II**

**MUSC203** *(PermReq)* **Intermediate Class Piano II; (2 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: MUSC202; or must have equivalent piano training.* Advanced keyboard techniques. Continuation of skills introduced in MUSC202. Transposition, modulation and sight reading; methods of teaching functional piano. Development of style in playing accompaniments and in playing for community singing. More advanced repertory.

| | | | |
|---|---|---|---|
| 0101 | Christiana Iheadindu<br>MWF 9:00am - 9:50am | Seats (Total: 10)<br>PAC 1123 | |

**MUSC204** **Popular Music in Black America**

**MUSC204 Popular Music in Black America; (3 credits)** Grade Method: REG/AUD. GenEd: Distributive Studies - Humanities.
Traces black popular music in the U.S. with a special focus on spirituals, ragtime, the blues, early jazz, R&B, Motown, funk, soul, and rap. Examines how these styles have been borrowed by the American music industry.

| | | | |
|---|---|---|---|
| 0101 | Patrick Warfield<br>MW 1:00pm - 1:50pm<br>F 9:00am - 9:50am | Seats (Total: 25)<br>ARC 0204<br>PAC 2164 | <br><br>Discussion |

| | | | |
|---|---|---|---|
| 0102 | Patrick Warfield<br>MW 1:00pm - 1:50pm<br>F 10:00am - 10:50am | Seats (Total: 25)<br>ARC 0204<br>PAC 2164 | Discussion |
| 0103 | Patrick Warfield<br>MW 1:00pm - 1:50pm<br>F 11:00am - 11:50am | Seats (Total: 25)<br>ARC 0204<br>PAC 2164 | Discussion |
| 0104 | Patrick Warfield<br>MW 1:00pm - 1:50pm<br>F 9:00am - 9:50am | Seats (Total: 25)<br>ARC 0204<br>PAC 3164 | Discussion |
| 0105 | Patrick Warfield<br>MW 1:00pm - 1:50pm<br>F 10:00am - 10:50am | Seats (Total: 25)<br>ARC 0204<br>PAC 3164 | Discussion |
| 0106 | Patrick Warfield<br>MW 1:00pm - 1:50pm<br>F 11:00am - 11:50am | Seats (Total: 25)<br>ARC 0204<br>PAC 3164 | Discussion |
| 0107 | Patrick Warfield<br>MW 1:00pm - 1:50pm<br>F 9:00am - 9:50am | Seats (Total: 25)<br>ARC 0204<br>PAC 2200 | Discussion |
| 0108 | Patrick Warfield<br>MW 1:00pm - 1:50pm<br>F 10:00am - 10:50am | Seats (Total: 25)<br>ARC 0204<br>PAC 2200 | Discussion |
| 0109 | Patrick Warfield<br>MW 1:00pm - 1:50pm<br>F 11:00am - 11:50am | Seats (Total: 20)<br>ARC 0204<br>PAC 2200 | Discussion |

**MUSC205** **History of Popular Music, 1950-Present**

**MUSC205 History of Popular Music, 1950-Present; (3 credits)** Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.
A historical survey of rock music (blues, rock, soul, metal, rap, etc.) from circa 1950 to the present, with emphasis on popular music as music and popular music as social history.

| | | | |
|---|---|---|---|
| 0101 | Richard King<br>MW 12:00pm - 12:50pm<br>F 9:00am - 9:50am | Seats (Total: 25)<br>ARC 0204<br>PAC 2160 | Discussion |
| 0102 | Richard King<br>MW 12:00pm - 12:50pm<br>F 10:00am - 10:50am | Seats (Total: 25)<br>ARC 0204<br>PAC 2160 | Discussion |
| 0103 | Richard King<br>MW 12:00pm - 12:50pm<br>F 11:00am - 11:50am | Seats (Total: 25)<br>ARC 0204<br>PAC 2160 | Discussion |
| 0104 | Richard King<br>MW 12:00pm - 12:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 25)<br>ARC 0204<br>PAC 2160 | Discussion |
| 0105 | Richard King<br>MW 12:00pm - 12:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 25)<br>ARC 0204<br>PAC 2160 | Discussion |
| 0106 | Richard King<br>MW 12:00pm - 12:50pm<br>F 2:00pm - 2:50pm | Seats (Total: 25)<br>ARC 0204<br>PAC 2160 | Discussion |
| 0107 | Richard King<br>MW 12:00pm - 12:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 25)<br>ARC 0204<br>PAC 3164 | Discussion |
| 0108 | Richard King<br>MW 12:00pm - 12:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 25)<br>ARC 0204<br>PAC 3164 | Discussion |
| 0109 | Richard King<br>MW 12:00pm - 12:50pm<br>F 2:00pm - 2:50pm | Seats (Total: 25)<br>ARC 0204<br>PAC 3164 | Discussion |

**MUSC210 The Impact of Music on Life**

**MUSC210 The Impact of Music on Life; (3 credits)** Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies. *Credit only granted for: MUET210 or MUSC210. Formerly: MUET210.* Music as a part of culture. Materials drawn from traditions throughout the globe to illustrate issues of historical and contemporary significance, including the impact of race, class and gender on the study of music.

| | | | |
|---|---|---|---|
| 0101 | Cheryl Tobler<br>MW 1:00pm - 1:50pm<br>F 9:00am - 9:50am | Seats (Total: 25)<br>TYD 0130<br>PAC 1815 | Discussion |
| 0102 | Cheryl Tobler<br>MW 1:00pm - 1:50pm<br>F 10:00am - 10:50am | Seats (Total: 25)<br>TYD 0130<br>PAC 1815 | Discussion |
| 0103 | Cheryl Tobler<br>MW 1:00pm - 1:50pm<br>F 11:00am - 11:50am | Seats (Total: 25)<br>TYD 0130<br>PAC 1815 | Discussion |
| 0104 | Cheryl Tobler<br>MW 1:00pm - 1:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 25)<br>TYD 0130<br>PAC 1815 | Discussion |
| 0105 | Cheryl Tobler<br>MW 1:00pm - 1:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 25)<br>TYD 0130<br>PAC 1815 | Discussion |
| 0106 | Cheryl Tobler<br>MW 1:00pm - 1:50pm<br>F 2:00pm - 2:50pm | Seats (Total: 25)<br>TYD 0130<br>PAC 1815 | Discussion |
| 0107 | Cheryl Tobler<br>MW 1:00pm - 1:50pm<br>F 11:00am - 11:50am | Seats (Total: 25)<br>TYD 0130<br>KNI 1105 | Discussion |
| 0108 | Cheryl Tobler<br>MW 1:00pm - 1:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 25)<br>TYD 0130<br>KNI 1105 | Discussion |

| | | | |
|---|---|---|---|
| 0109 | Cheryl Tobler<br>MW 1:00pm - 1:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 25)<br>TYD 0130<br>KNI 1105 | Discussion |
| 0110 | Cheryl Tobler<br>MW 1:00pm - 1:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 25)<br>TYD 0130<br>KEY 1117 | Discussion |
| 0111 | Cheryl Tobler<br>MW 1:00pm - 1:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 25)<br>TYD 0130<br>KEY 1117 | Discussion |
| 0112 | Cheryl Tobler<br>MW 1:00pm - 1:50pm<br>F 2:00pm - 2:50pm | Seats (Total: 25)<br>TYD 0130<br>KEY 1117 | Discussion |

**MUSC215** **World Popular Musics and Identity**

**MUSC215 World Popular Musics and Idenity; (3 credits)** Grade Method: REG/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies. *Credit only granted for: MUET200 or MUSC215. Formerly: MUET200.* Focus on popular musics in different cultures with an emphasis on cross-cultural comparisons and analysis of how musics and identity intersect.

| | | | |
|---|---|---|---|
| 0101 | Laura Schnitker<br>W 3:00pm - 4:50pm<br>M 11:00am - 11:50am | Seats (Total: 25)<br>SKN 0200<br>PAC 2160 | Discussion |
| 0102 | Laura Schnitker<br>W 3:00pm - 4:50pm<br>M 12:00pm - 12:50pm | Seats (Total: 25)<br>SKN 0200<br>PAC 2160 | Discussion |
| 0103 | Laura Schnitker<br>W 3:00pm - 4:50pm<br>M 1:00pm - 1:50pm | Seats (Total: 25)<br>SKN 0200<br>PAC 2160 | Discussion |
| 0104 | Laura Schnitker<br>W 3:00pm - 4:50pm<br>M 11:00am - 11:50am | Seats (Total: 25)<br>SKN 0200<br>PAC 3160 | Discussion |

| | | | |
|---|---|---|---|
| 0105 | Laura Schnitker<br>W 3:00pm - 4:50pm<br>M 12:00pm - 12:50pm | Seats (Total: 25)<br>SKN 0200<br>PAC 3160 | Discussion |
| 0106 | Laura Schnitker<br>W 3:00pm - 4:50pm<br>M 1:00pm - 1:50pm | Seats (Total: 25)<br>SKN 0200<br>PAC 3160 | Discussion |
| 0107 | Laura Schnitker<br>W 3:00pm - 4:50pm<br>M 12:00pm - 12:50pm | Seats (Total: 25)<br>SKN 0200<br>PAC 3164 | Discussion |
| 0108 | Laura Schnitker<br>W 3:00pm - 4:50pm<br>M 1:00pm - 1:50pm | Seats (Total: 25)<br>SKN 0200<br>PAC 3164 | Discussion |
| 0109 | Laura Schnitker<br>W 3:00pm - 4:50pm<br>M 2:00pm - 2:50pm | Seats (Total: 25)<br>SKN 0200<br>PAC 3164 | Discussion |

**MUSC220** **Selected Musical Cultures of the World**

**MUSC220 Selected Musical Cultures of the World; (3 credits)** Grade Method: REG. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies. *Credit only granted for: MUET220 or MUSC220. Formerly: MUET220.* A survey of selected musical cultures of the world, such as India, Japan, China, Indonesia, West Africa, Eastern Europe and the Near East.

| | | | |
|---|---|---|---|
| 0101 | Joanna Pecore<br>MW 10:00am - 10:50am<br>F 11:00am - 11:50am | Seats (Total: 25)<br>SKN 0200<br>PAC 3168 | Discussion |
| 0102 | Joanna Pecore<br>MW 10:00am - 10:50am<br>F 12:00pm - 12:50pm | Seats (Total: 25)<br>SKN 0200<br>PAC 3168 | Discussion |
| 0103 | Joanna Pecore<br>MW 10:00am - 10:50am<br>F 1:00pm - 1:50pm | Seats (Total: 25)<br>SKN 0200<br>PAC 3168 | Discussion |

| | | | |
|---|---|---|---|
| 0104 | Joanna Pecore<br>MW 10:00am - 10:50am<br>F 11:00am - 11:50am | Seats (Total: 25)<br>SKN 0200<br>PAC 3160 | <br><br>Discussion |
| 0105 | Joanna Pecore<br>MW 10:00am - 10:50am<br>F 12:00pm - 12:50pm | Seats (Total: 25)<br>SKN 0200<br>PAC 3160 | <br><br>Discussion |
| 0106 | Joanna Pecore<br>MW 10:00am - 10:50am<br>F 1:00pm - 1:50pm | Seats (Total: 25)<br>SKN 0200<br>PAC 3160 | <br><br>Discussion |

**MUSC226** **Vocal Diction: French**

**MUSC226** *(PermReq)* **Vocal Diction: French; (1 credit)** Grade Method: REG/P-F/AUD.
*Prerequisite: Permission of ARHU-School of Music department. Restriction: Must be in a major within ARHU-School of Music department.* Augmentation of private voice study. Phonetics and diction for singers of French vocal literature.

| | | |
|---|---|---|
| 0101 | Diba Alvi, Karla Scott<br>TuTh 2:00pm - 2:50pm | Seats (Total: 20)<br>PAC 2164 |

**MUSC228** **Introduction to Accompanying for Pianists**

**MUSC228** *(PermReq)* **Introduction to Accompanying for Pianists; (2 credits)** Grade Method: REG/P-F/AUD.

| | | |
|---|---|---|
| 0101 | Robert McReynolds<br>Contact instructor or department for details. | Seats (Total: 5) |

**MUSC229A** **Ensemble; Symphony Orchestra**

**MUSC229A** *(PermReq)* **Ensemble: Symphony Orchestra; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

| | | | |
|---|---|---|---|
| 0101 | James Ross<br>TuTh 3:30pm - 6:30pm | Seats (Total: 70)<br>PAC 1230 | <br>Lab |

**MUSC229D** **Ensemble; Wind Orchestra**

**MUSC229D** *(PermReq)* **Ensemble: Wind Orchestra; (1 credit)** Grade Method: REG. Open by audition. Contact instructor to make arrangements.

| | | | |
|---|---|---|---|
| 0101 | Michael Votta | Seats (Total: 50) | |
| | TuTh 3:30pm - 6:30pm | PAC 2540 | Lab |

**MUSC229E** **Ensemble; Wind Ensemble**

**MUSC229E Ensemble: Wind Ensemble; (1 credit)** Grade Method: REG. Open by audition. Contact instructor to make arrangements.

| | | | |
|---|---|---|---|
| 0101 | Lowell Sparks | Seats (Total: 75) | |
| | MWF 11:00am - 12:30pm | PAC 2540 | Lab |

**MUSC229G** **Ensemble; Marching Band Repertoire**

**MUSC229G Ensemble: Marching Band Repertoire; (1 credit)** Grade Method: REG/P-F/AUD.

| | | | |
|---|---|---|---|
| 0101 | Lowell Sparks | Seats (Total: 60) | |
| | Th 7:00pm - 10:00pm | PAC 2540 | |

**MUSC229J** **Ensemble; Jazz**

**MUSC229J** *(PermReq)* **Ensemble: Jazz; (1 credit)** Grade Method: REG. Audition required before permission of department will be granted. Contact instructor to make arrangements.

| | | | |
|---|---|---|---|
| 0101 | Christopher Vadala | Seats (Total: 25) | |
| | MW 5:30pm - 7:15pm | PAC 1230 | Lab |
| 0201 | Christopher Vadala | Seats (Total: 30) | |
| | MW 1:00pm - 2:15pm | PAC 1230 | Lab |
| 0301 | Christopher Vadala | Seats (Total: 35) | |
| | M 7:30pm - 9:30pm | PAC 1230 | Lab |

**MUSC229P** **Ensemble; Pep Band**

**MUSC229P Ensemble: Pep Band; (1 credit)** Grade Method: REG.

| | | | |
|---|---|---|---|
| 0101 | Lowell Sparks | Seats (Total: 150) | |
| | Contact instructor or department for details. | | |

**MUSC229R** **Ensemble; Repertoire Orchestra**

**MUSC229R** *(PermReq)* **Ensemble: Repertoire Orchestra; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

| | | | |
|---|---|---|---|
| 0101 | James Ross | Seats (Total: 50) | |
| | MW 3:00pm - 5:00pm | PAC 1230 | Lab |

**MUSC229U** **Ensemble; University Band**

**MUSC229U Ensemble: University Band; (1 credit)** Grade Method: REG.
Open by audition. Contact instructor to make arrangements.

| | | | |
|---|---|---|---|
| 0101 | Elijah Osterloh | Seats (Total: 150) | |
| | W 7:30pm - 9:30pm | PAC 2540 | Lab |

**MUSC229Z** **Ensemble; Jazz Combo**

**MUSC229Z** *(PermReq)* **Ensemble: Jazz Combo; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

| | | |
|---|---|---|
| 0101 | Gerard Kunkel | Seats (Total: 5) |
| | Contact instructor or department for details. | |
| 0201 | Thomas Baldwin | Seats (Total: 5) |
| | Contact instructor or department for details. | |
| 0301 | Andrew Hare | Seats (Total: 10) |
| | Contact instructor or department for details. | |
| 0401 | Edward Jakuboski | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**MUSC251** **Advanced Theory of Music II**

**MUSC251** *(PermReq)* **Advanced Theory of Music II; (4 credits)** Grade Method: REG/AUD.

*Prerequisite: Minimum grade of C- in MUSC250.* A continuation of MUSC250, concentrating on late nineteenth-century chromatic harmony and an introduction to twentieth-century melody and harmony. Emphasis on sight singing, ear training, analysis and compositional skills.

| | | | |
|---|---|---|---|
| 0101 | Thomas DeLio<br>TuThF 9:00am - 9:50am<br>MW 9:00am - 9:50am | Seats (Total: 6)<br>PAC 3168<br>PAC 2160 | <br><br>Lab |
| 0102 | Thomas DeLio<br>TuThF 9:00am - 9:50am<br>MW 9:00am - 9:50am | Seats (Total: 6)<br>PAC 3168<br>PAC 3164 | <br><br>Lab |
| 0201 | Thomas DeLio<br>TuThF 10:00am - 10:50am<br>MW 10:00am - 10:50am | Seats (Total: 6)<br>PAC 3168<br>PAC 2160 | <br><br>Lab |
| 0202 | Thomas DeLio<br>TuThF 10:00am - 10:50am<br>MW 10:00am - 10:50am | Seats (Total: 6)<br>PAC 3168<br>PAC 3164 | <br><br>Lab |
| 0301 | Daniel Zimmerman<br>TuThF 10:00am - 10:50am<br>MW 9:00am - 9:50am | Seats (Total: 6)<br>PAC 3160<br>PAC 3160 | <br><br>Lab |
| 0302 | Daniel Zimmerman<br>TuThF 10:00am - 10:50am<br>MW 10:00am - 10:50am | Seats (Total: 6)<br>PAC 3160<br>PAC 3160 | <br><br>Lab |

**MUSC269A** **Special Topics in Study Abroad II; Enhancing Spanish Language and Cultural Knowledge Through Music**

**Contact department for information to register for this course.**

**MUSC269F** **Special Topics in Study Abroad II; Exploring Music and Society: Flamenco**

**Contact department for information to register for this course.**

**MUSC269M** **Special Topics in Study Abroad II; Czech Music**
**Contact department for information to register for this course.**

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**MUSC289I** **Exploring the Power of Musical Performance in Social Engagement**

**MUSC289I Exploring the Power of Musical Performance in Social Engagement; (3 credits)** Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies; Signature Courses - I-Series.

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|---|---|---|---|
| 0101 | John Boatright, Boden Sandstrom<br>TuTh 9:30am - 10:45am | Seats (Total: 60)<br>PAC 2200 | |

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**MUSC320** **Music History II**

**MUSC320 Music History II; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MUSC310; and permission of ARHU-School of Music department. Credit only granted for: MUSC230 or MUSC320. Formerly: MUSC230.* A historical study of Western music from 1600 to 1800.

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|---|---|---|---|
| 0101 | Stephen Thursby<br>MW 2:00pm - 2:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 25)<br>PAC 2200<br>PAC 2164 | <br><br>Discussion |
| 0102 | Stephen Thursby<br>MW 2:00pm - 2:50pm<br>F 2:00pm - 2:50pm | Seats (Total: 25)<br>PAC 2200<br>PAC 2164 | <br><br>Discussion |
| 0103 | Stephen Thursby<br>MW 2:00pm - 2:50pm<br>F 3:00pm - 3:50pm | Seats (Total: 25)<br>PAC 2200<br>PAC 2164 | <br><br>Discussion |

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**MUSC329A** **Ensemble; University of Maryland Chorale**

**MUSC329A** *(PermReq)* **Ensemble: University of Maryland Chorale; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

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|---|---|---|---|
| 0101 | Edward Maclary<br>TuTh 3:00pm - 4:30pm | Seats (Total: 80)<br>PAC 2201 | <br>Lab |

**MUSC329B** **Ensemble; Chamber Singers**

**MUSC329B** *(PermReq)* **Ensemble: Chamber Singers; (1 credit)** Grade Method: REG.
ADD: Audition required before permission of department will be granted. Contact instructor to make arrangements.

| | | | |
|---|---|---|---|
| 0101 | Edward Maclary | Seats (Total: 50) | |
| | TuTh 4:30pm - 5:45pm | PAC 2201 | |

**MUSC329E** **Ensemble; Gospel Choir**

**MUSC329E Ensemble: Gospel Choir; (1 credit)** Grade Method: REG.

| | | | |
|---|---|---|---|
| 0101 | Anne Carswell | Seats (Total: 60) | |
| | Th 7:00pm - 10:00pm | PAC 2201 | Lab |

**MUSC329M** **Ensemble; Men's Chorus**

**MUSC329M Ensemble: Men's Chorus; (1 credit)** Grade Method: REG.

| | | |
|---|---|---|
| 0101 | Edward Maclary, Joseph Shortall | Seats (Total: 40) |
| | MWF 12:00pm - 12:50pm | PAC 1230 |

**MUSC329O** **Ensemble; Opera Chorus**

**MUSC329O** *(PermReq)* **Ensemble: Opera Chorus; (1 credit)** Grade Method: REG.

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|---|---|---|---|
| 0101 | Allan Laino, Edward Maclary | Seats (Total: 30) | |
| | F 4:00pm - 6:00pm | PAC 2170 | Lab |

**MUSC329W** **Ensemble; Women's Chorus**

**MUSC329W Ensemble: Women's Chorus; (1 credit)** Grade Method: REG.

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|---|---|---|
| 0101 | Kenneth Elpus | Seats (Total: 60) |
| | MWF 12:00pm - 12:50pm | PAC 2201 |

**MUSC369M** **Special Topics in Study Abroad III; Masterpieces of Italian Opera**

**Contact department for information to register for this course.**

**MUSC379** **Opera Workshop**

**MUSC379** *(PermReq)* **Opera Workshop; (1 credit)** Grade Method: REG/P-F.

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|---|---|---|
| 0101 | Nicholas Olcott<br>MW 4:00pm - 6:00pm | Seats (Total: 15)<br>PAC 2170 |

**MUSC386** **Experiential Learning**

**MUSC386** *(PermReq)* **Experiential Learning; (6 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: Permission of ARHU-School of Music department. Restriction: Junior standing or higher.*

**Contact department for information to register for this course.**

**MUSC388** **Music Internship**

**MUSC388** *(PermReq)* **Music Internship; (3 credits)** Grade Method: REG.
Prerequisite: permission of instructor.

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|---|---|---|
| 0101 | Lori DeBoy<br>Contact instructor or department for details. | Seats (Total: 5) |
| 0201 | Michael Hewitt<br>Contact instructor or department for details. | Seats (Total: 5) |
| 0301 | Edward Maclary<br>Contact instructor or department for details. | Seats (Total: 5) |
| 0401 | Richard Scerbo<br>Contact instructor or department for details. | Seats (Total: 5) |

**MUSC389** **Music Internship Analysis**

**MUSC389** *(PermReq)* **Music Internship Analysis; (1 credit)** Grade Method: REG.

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|---|---|---|
| 0101 | Lori DeBoy<br>Contact instructor or department for details. | Seats (Total: 5) |

| | | |
|---|---|---|
| 0201 | Michael Hewitt<br>Contact instructor or department for details. | Seats (Total: 5) |
| 0301 | Edward Maclary<br>Contact instructor or department for details. | Seats (Total: 5) |
| 0401 | Richard Scerbo<br>Contact instructor or department for details. | Seats (Total: 5) |

**MUSC400V** **Music Pedagogy**

**MUSC400V** *(PermReq)* **Music Pedagogy; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MUSP315; and permission of ARHU-School of Music department.* Conference course. A study of major pedagogical treatises in music, and an evaluation of pedagogical techniques, materials, and procedures.

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|---|---|---|
| 0101 | Madeline Miskie, Diba Alvi<br>TuTh 9:00am - 10:15am | Seats (Total: 25)<br>PAC 2170 |

**MUSC428** **Repertoire Coaching of Vocal or Chamber Music**

**MUSC428 Repertoire Coaching of Vocal or Chamber Music; (2 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Rita Sloan<br>Contact instructor or department for details. | Seats (Total: 5) |

**MUSC435** **Music of North America**

**MUSC435 Music of North America; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: Permission of ARHU-School of Music department.* A survey of North American music from Colonial times to present.

| | | |
|---|---|---|
| 0101 | Patrick Warfield<br>MW 11:00am - 12:15pm | Seats (Total: 12)<br>PAC 3110A |

**MUSC436** **Jazz: Then and Now**

**MUSC436 Jazz: Then and Now; (3 credits)** Grade Method: REG/P-F/AUD. Major styles and influential artists of the past 75 years of jazz.

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|---|---|---|
| 0101 | Richard Wexler<br>MW 3:00pm - 4:15pm | Seats (Total: 20)<br>PAC 3160 |

**MUSC438D** **Area Studies in Ethnomusicology; Music of Bolivia, Peru and Ecuador**

**MUSC438D Area Studies in Ethnomusicology: Music of Bolivia, Peru and Ecuador; (3 credits)** Grade Method: REG.

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|---|---|---|
| 0101 | Fernando Rios<br>Th 3:30pm - 6:00pm | Seats (Total: 12)<br>PAC 3110A |

**MUSC444** **Wind and Percussion Literature**

**MUSC444** *(PermReq)* **Wind and Percussion Literature; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: Permission of ARHU-School of Music department. Corequisite: MUSP420 or MUSP419.* Recital program notes and written projects in wind or percussion literature.

**Contact department for information to register for this course.**

**MUSC446** **String Literature**

**MUSC446** *(PermReq)* **String Literature; (1 credit)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: MUSP316; and permission of ARHU-School of Music department.* Recital program notes and written projects in string literature.

**Contact department for information to register for this course.**

**MUSC448** **Selected Topics in Music**

**MUSC448** *(PermReq)* **Selected Topics in Music; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**MUSC448E** **Selected Topics in Music; Symphonic Literature**

**MUSC448E** *(PermReq)* **Selected Topics in Music: Symphonic Literature; (3 credits)** Grade Method: REG.

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|---|---|---|
| 0101 | Richard Wexler<br>Tu 7:00pm - 9:30pm | Seats (Total: 6)<br>PAC 3110A |

**MUSC448F** **Selected Topics in Music; Style Analysis**

**MUSC448F** *(PermReq)* **Selected Topics in Music: Style Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of instructor. Also offered as MUSC673.

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|---|---|---|
| 0101 | James Fry<br>TuTh 9:30am - 10:45am | Seats (Total: 15)<br>PAC 2160 |

**MUSC448K** **Selected Topics in Music; Keyboard Skills for Vocalists**

**MUSC448K** *(PermReq)* **Selected Topics in Music: Keyboard Skills for Vocalists; (1 credit)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Rita Sloan<br>Contact instructor or department for details. | Seats (Total: 10) |

**MUSC448P** **Selected Topics in Music; How to Win an Orchestral Audition**

**MUSC448P** *(PermReq)* **Selected Topics in Music: How to Win an Orchestral Audition; (1 credit)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Robert DiLutis<br>M 3:00pm - 4:30pm | Seats (Total: 15)<br>PAC 2164 |

**MUSC448W** **Selected Topics in Music; Instrumental Pedagogy**

**MUSC448W** *(PermReq)* **Selected Topics in Music: Instrumental Pedagogy; (1 credit)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**MUSC450** **Musical Form**

**MUSC450** *(PermReq)* **Musical Form; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MUSC251.* A study of the principles of organization in music with emphasis on eighteenth and nineteenth century European music. Reading and analysis of scores exemplifying the musical forms.

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|---|---|---|
| 0101 | James Fry | Seats (Total: 25) |
| | TuTh 2:00pm - 3:15pm | PAC 2168 |

**MUSC454** **Jazz Improvisation II**

**MUSC454 Jazz Improvisation II; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MUSC453; or students who have taken courses with comparable content may contact the department. And permission of ARHU-School of Music department. Credit only granted for: MUSC346 or MUSC454. Formerly: MUSC346.* Continuation of MUSC453 including scoring and transcription.

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|---|---|---|
| 0101 | Gerard Kunkel | Seats (Total: 5) |
| | Th 12:30pm - 3:00pm | PAC 1208 |

**MUSC456** **Jazz Arranging**

**MUSC456 Jazz Arranging; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MUSC455; and permission of ARHU-School of Music department. Credit only granted for: MUSC448N or MUSC456. Formerly: MUSC448N.* A comprehensive approach to jazz arranging. Topics to include chord scale theory, voicing techniques, part and score layout, and formal construction of an arrangement.

| | | |
|---|---|---|
| 0101 | Timothy Powell | Seats (Total: 12) |
| | W 2:30pm - 5:00pm | PAC 2168 |

**MUSC463** **Applications in Music Technology**

**MUSC463** *(PermReq)* **Applications in Music Technology; (3 credits)** Grade Method: REG/P-F/AUD.

A hands-on study of computer hardware and software that makes use of the MIDI (Musical Instrument Digital Interface) specification. This protocol allows computers, synthesizers and various other devices to send and receive information about musical performance, notation and sound. The course focuses on two of the most frequently used applications on MIDI -- sequencing and music notation. Also included is an introduction to digital audio. No previous experience with computers is required. Ability to read music on a grand staff (treble and bass clef) is recommended.

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|---|---|---|
| 0101 | Mark Nowakowski<br>Th 1:00pm - 3:30pm | Seats (Total: 16)<br>PAC 1108 |

**MUSC468** **Piano Pedagogy II**

**MUSC468 Piano Pedagogy II; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Cleveland Page<br>MW 11:00am - 12:15pm | Seats (Total: 15)<br>PAC 2164 |

**MUSC469F** **Orchestral Excerpts for String Players; Bass**

**MUSC469F Orchestral Excerpts for String Players: Bass; (1 credit)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Robert Oppelt<br>W 4:30pm - 5:45pm | Seats (Total: 15)<br>Location: TBA |

**MUSC469V** **Orchestral Excerpts for String Players; HARP**

**MUSC469V Orchestral Excerpts for String Players: HARP; (1 credit)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Sarah Fuller<br>Contact instructor or department for details. | Seats (Total: 15) |

**MUSC470** **Harmonic and Contrapuntal Practices of the Twentieth Century**

**MUSC470 Harmonic and Contrapuntal Practices of the Twentieth Century; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: MUSC251; or students who have taken courses with comparable content may contact the department. And permission of ARHU-School of Music department.* A theoretical and analytical study of twentieth century materials.

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|---|---|---|
| 0101 | Mark Wilson<br>TuTh 2:00pm - 3:15pm | Seats (Total: 15)<br>PAC 3168 |

**MUSC490** **Conducting**

**MUSC490** *(PermReq)* **Conducting; (2 credits)** Grade Method: REG.
*Prerequisite: MUSC251.* Vocal and instrumental baton techniques.

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|---|---|---|
| 0101 | Edward Maclary, Michael Jacko, C. Heins<br>MWF 11:00am - 11:50am | Seats (Total: 12)<br>PAC 2201 |
| 0201 | C. Heins, Michael Jacko, Edward Maclary<br>MWF 1:00pm - 1:50pm | Seats (Total: 12)<br>PAC 2201 |

**MUSC491** **Conducting II**

**MUSC491** *(PermReq)* **Conducting II; (2 credits)** Grade Method: REG/AUD.
*Prerequisite: MUSC490; or students who have taken courses with comparable content may contact the department.* Baton techniques applied to score reading, rehearsal techniques, tone production, style and interpretation. Concurrent registration in MUED472.

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|---|---|---|
| 0101 | Edward Maclary<br>MW 9:00am - 9:50am | Seats (Total: 20)<br>PAC 2201 |
| 0201 | Michael Votta<br>MW 3:00pm - 3:50pm | Seats (Total: 20)<br>PAC 2160 |

**MUSC499** **Independent Studies**

**MUSC499** *(PermReq)* **Independent Studies; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**MUSC602** **Advanced Italian Lyric Diction**

**MUSC602** *(PermReq)* **Advanced Italian Lyric Diction; (1 credit)** Grade Method: REG/AUD.
*Restriction: Must be in one of the following programs (Music - Doctoral (Doctoral); Music - Master (Master's)) . And permission of instructor; or admission to graduate voice program.* Concepts, strategies and techniques for singing operatic and song literature in Italian: syllabification, vowels, stressed and unstressed syllables, dipthongs, glides and elisions, single and double consonants with emphasis on current performance practices.

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|---|---|---|---|
| 0101 | Diba Alvi | Seats (Total: 15) | |
| | Tu 10:30am - 12:00pm | PAC 1218 | |

**MUSC603** **Advanced German Lyric Diction**

**MUSC603 Advanced German Lyric Diction; (1 credit)** Grade Method: REG/AUD.
*Restriction: Must be in one of the following programs (Music - Doctoral (Doctoral); Music - Master (Master's)) . And permission of instructor; or admission to graduate voice program.* Concepts, strategies and techniques for singing operatic and song literature in German: single and double consonants, the use of the glottal, the German closed (e) and (o) vowels, the "schwa" and consonant clusters. Mastery of the International Phonetic Alphabet (IPA) as it applies to "Hochdeutsch" will be expected.

| | | | |
|---|---|---|---|
| 0101 | Delores Ziegler | Seats (Total: 15) | |
| | Tu 10:30am - 12:00pm | PAC 2170 | |

**MUSC606** **Opera Repertory II**

**MUSC606 Opera Repertory II; (1 credit)** Grade Method: REG/AUD.
*Prerequisite: MUSC605; or permission of instructor. Restriction: Must be in one of the following programs (Music - Doctoral (Doctoral); Music - Master (Master's)).*
Continuation of MUSC 605. Advanced vocal coaching of selections from the Italian, French, German and English opera repertory: musical accuracy, language facility; diction clarity; and dramatic interpretation.

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|---|---|---|---|
| 0101 | Carmen Balthrop | Seats (Total: 10) | |
| | Th 10:30am - 12:00pm | TWS 1121 | Lab |

**MUSC608** **Chamber Music Repertory; Chamber Music Repertoire**

**MUSC608** *(PermReq)* **Chamber Music Repertory: Chamber Music Repertoire; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
LAB/TBA: performance based.

**Contact department for information to register for this course.**

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**MUSC609** **Piano Chamber Music Practicum and Analysis**

**MUSC609** *(PermReq)* **Piano Chamber Music Practicum and Analysis; (2 credits)** Grade Method: REG.

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|---|---|---|---|
| 0101 | Rita Sloan | Seats (Total: 5) | |
| | Contact instructor or department for details. | | |

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**MUSC612** **Opera Techniques II**

**MUSC612** *(PermReq)* **Opera Techniques II; (2 credits)** Grade Method: REG/AUD. *Prerequisite: Minimum grade of B- in MUSC611. Corequisite: MUSC602. Restriction: Must be in one of the following programs (Music - Doctoral (Doctoral); Music - Master (Master's)) ; and permission of Director of Opera required.* Continuation of MUSC 611. Techniques for opera performance: Scene Study II; Movement II; and Mask.

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|---|---|---|---|
| 0101 | Nicholas Olcott | Seats (Total: 20) | |
| | TBA | PAC 2170 | |
| | TBA | PAC 1218 | Lab |

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**MUSC614** **Opera Techniques IV**

**MUSC614** *(PermReq)* **Opera Techniques IV; (2 credits)** Grade Method: REG/AUD. *Prerequisite: Minimum grade of B- in MUSC613. Corequisite: MUSC606 and MUSC604. Restriction: Must be in one of the following programs (Music - Doctoral (Doctoral); Music - Master (Master's)) ; and permission of Director of Opera required.* Continuation of MUSC 613. Techniques for opera performance: Scene Study IV and Movement IV.

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|---|---|---|---|
| 0101 | Nicholas Olcott | Seats (Total: 20) | |
| | TBA | PAC 2170 | |
| | TBA | PAC 1218 | Lab |

**MUSC620** **Analysis of World Music**

**MUSC620 Analysis of World Music; (3 credits)** Grade Method: REG.
*Recommended: Completion of a seminar in transcription.* Development of skills for auditory analysis of diverse musical systems.

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|---|---|---|---|
| 0101 | Robert Provine | Seats (Total: 12) | |
| | Tu 3:30pm - 6:00pm | PAC 3110A | |

**MUSC629A** **Ensemble; Symphony Orchestra**

**MUSC629A** *(PermReq)* **Ensemble: Symphony Orchestra; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

| | | | |
|---|---|---|---|
| 0101 | James Ross | Seats (Total: 50) | |
| | TuTh 3:30pm - 6:30pm | PAC 1230 | Lab |

**MUSC629B** **Ensemble; University of Maryland Brass Ensemble**

**MUSC629B Ensemble: University of Maryland Brass Ensemble; (1 credit)** Grade Method: REG.

| | | | |
|---|---|---|---|
| 0101 | Gregory Miller | Seats (Total: 10) | |
| | W 7:30pm - 10:00pm | PAC 1230 | Lab |

**MUSC629C** **Ensemble; Wind Ensemble**

**MUSC629C Ensemble: Wind Ensemble; (1 credit)** Grade Method: REG.

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|---|---|---|---|
| 0101 | Lowell Sparks | Seats (Total: 20) | |
| | MWF 11:00am - 12:30pm | PAC 2540 | Lab |

**MUSC629G** **Ensemble; Balinese Gamelan**

**MUSC629G** *(PermReq)* **Ensemble: Balinese Gamelan; (1 credit)** Grade Method: REG.

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| 0101 | I Suadin | Seats (Total: 5) | |
| | Th 7:00pm - 8:30pm | PAC 1230 | Lab |

**MUSC629I** **Ensemble; New Music Ensemble**

**MUSC629I Ensemble: New Music Ensemble; (1 credit)** Grade Method: REG.

| | | | |
|---|---|---|---|
| 0101 | Mark Wilson | Seats (Total: 5) | |
| | Contact instructor or department for details. | | |

**MUSC629J** **Ensemble; Jazz Ensemble**

**MUSC629J** *(PermReq)* **Ensemble: Jazz Ensemble; (1 credit)** Grade Method: REG. Audition required before permission of department will be granted. Contact instructor to make arrangements.

| | | | |
|---|---|---|---|
| 0101 | Christopher Vadala | Seats (Total: 20) | |
| | MW 5:30pm - 7:15pm | PAC 1230 | Lab |
| 0201 | Christopher Vadala | Seats (Total: 5) | |
| | MW 1:00pm - 2:15pm | PAC 1230 | Lab |
| 0301 | Christopher Vadala | Seats (Total: 10) | |
| | M 7:30pm - 9:30pm | PAC 1230 | Lab |

**MUSC629K** **Ensemble; Japanese Koto**

**MUSC629K** *(PermReq)* **Ensemble: Japanese Koto; (1 credit)** Grade Method: REG.

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|---|---|---|---|
| 0101 | Kyoko Okamoto | Seats (Total: 2) | |
| | Tu 5:30pm - 7:00pm | PAC 3160 | Lab |

**MUSC629L** **Ensemble; Advanced Japanese Koto**

**MUSC629L** *(PermReq)* **Ensemble: Advanced Japanese Koto; (1 credit)** Grade Method: REG.
Prerequisite: Contact instructor to make arrangements.

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|---|---|---|---|
| 0101 | Kyoko Okamoto | Seats (Total: 4) | |
| | Tu 7:00pm - 8:30pm | PAC 3160 | Lab |

**MUSC629M** **Ensemble; Chamber Flute Choir**

**MUSC629M Ensemble: Chamber Flute Choir; (1 credit)** Grade Method: REG.

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|---|---|---|---|
| 0101 | William Montgomery | Seats (Total: 6) | |
| | TBA | PAC 1130C | Lab |

**MUSC629O** **Ensemble; Tuba and Euphonium**

**MUSC629O Ensemble: Tuba and Euphonium; (1 credit)** Grade Method: REG.

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|---|---|---|
| 0101 | Paul Kellner | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**MUSC629P** **Ensemble; Percussion Ensemble**

**MUSC629P Ensemble: Percussion Ensemble; (1 credit)** Grade Method: REG.

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|---|---|---|---|
| 0101 | Lee Hinkle | Seats (Total: 15) | |
| | F 3:30pm - 6:00pm | PAC 2540 | Lab |
| | W 5:00pm - 7:00pm | PAC 2540 | Lab |

**MUSC629Q** **Ensemble; Korean Percussion Ensemble**

**MUSC629Q Ensemble: Korean Percussion Ensemble; (1 credit)** Grade Method: REG.

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|---|---|---|---|
| 0101 | Sebastian Wang | Seats (Total: 5) | |
| | Th 7:00pm - 8:30pm | PAC 2170 | Lab |

**MUSC629R** **Ensemble; Repertoire Orchestra**

**MUSC629R** *(PermReq)* **Ensemble: Repertoire Orchestra; (1 credit)** Grade Method: REG.

Audition required before permission of department will be granted. Contact instructor to make arrangements.

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|---|---|---|---|
| 0101 | James Ross | Seats (Total: 10) | |
| | MW 3:00pm - 5:00pm | PAC 1230 | Lab |

**MUSC629S** **Ensemble; Saxophone Ensemble**

**MUSC629S Ensemble: Saxophone Ensemble; (1 credit)** Grade Method: REG.

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|---|---|---|---|
| 0101 | Instructor: TBA | Seats (Total: 10) | |
| | Tu 7:30pm - 9:30pm | PAC 2126 | Lab |

**MUSC629T** **Ensemble; Trombone Ensemble**

**MUSC629T Ensemble: Trombone Ensemble; (1 credit)** Grade Method: REG.

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|---|---|---|
| 0101 | Christopher Dudley | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**MUSC629U** **Ensemble; University Band**

**MUSC629U Ensemble: University Band; (1 credit)** Grade Method: REG.
Open by audition. Contact instructor to make arrangements.

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|---|---|---|---|
| 0101 | Elijah Osterloh | Seats (Total: 10) | |
| | W 7:30pm - 9:30pm | PAC 2540 | Lab |

**MUSC629W** **Ensemble; Wind Orchestra**

**MUSC629W** *(PermReq)* **Ensemble: Wind Orchestra; (1 credit)** Grade Method: REG.
Open by audition. Contact instructor to make arrangements.

| | | | |
|---|---|---|---|
| 0101 | Michael Votta | Seats (Total: 30) | |
| | TuTh 3:30pm - 6:30pm | PAC 2540 | Lab |

**MUSC629Z** **Ensemble; Jazz Combo**

**MUSC629Z** *(PermReq)* **Ensemble: Jazz Combo; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

| | | |
|---|---|---|
| 0101 | Gerard Kunkel | Seats (Total: 5) |
| | Contact instructor or department for details. | |

| | | |
|---|---|---|
| 0201 | Thomas Baldwin<br>Contact instructor or department for details. | Seats (Total: 5) |
| 0301 | Instructor: TBA<br>Contact instructor or department for details. | Seats (Total: 5) |
| 0401 | Brent Madsen<br>Contact instructor or department for details. | Seats (Total: 5) |

**MUSC639J** **Seminar in Music; Brahms**

**MUSC639J** *(PermReq)* **Seminar in Music: Brahms; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Kate Weber-Petrova<br>W 11:00am - 1:30pm | Seats (Total: 15)<br>PAC 3164 |

**MUSC642** **Early Music Notation**

**MUSC642 Early Music Notation; (3 credits)** Grade Method: REG/AUD.
Aspects of notation in music before 1600; transcription into modern notation.

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|---|---|---|
| 0101 | Barbara Haggh-Huglo<br>MW 9:30am - 10:45am | Seats (Total: 15)<br>PAC 3110A |

**MUSC644** **Seminar in Solo Vocal Literature II**

**MUSC644 Seminar in Solo Vocal Literature II; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: MUSC643; or students who have taken courses with comparable content may contact the department.* A continuation of MUSC 643 with an emphasis on areas of individual interest.

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|---|---|---|
| 0101 | Gran Wilson, Robert McReynolds<br>W 3:00pm - 5:30pm | Seats (Total: 15)<br>PAC 2200 |

**MUSC645** **Seminar in Vocal Pedagogy**

**MUSC645** *(PermReq)* **Seminar in Vocal Pedagogy; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: MUSC400; or students who have taken courses with comparable content may contact the department.* A study of the physiological, psychological and acoustical aspects of the teaching of singing combined with independent study and research in areas of individual interest. Advanced special students require department authorization.

| | | | |
|---|---|---|---|
| 0101 | Martha Randall | Seats (Total: 10) | |
| | MW 9:30am - 10:45am | PAC 3168 | |

**MUSC649A** **Ensemble; University of Maryland Chorale**

**MUSC649A** *(PermReq)* **Ensemble: University of Maryland Chorale; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

| | | | |
|---|---|---|---|
| 0101 | Edward Maclary | Seats (Total: 10) | |
| | TuTh 3:00pm - 4:30pm | PAC 2201 | Lab |

**MUSC649B** **Ensemble; Chamber Singers**

**MUSC649B** *(PermReq)* **Ensemble: Chamber Singers; (1 credit)** Grade Method: REG.
Audition required before permission of department will be granted. Contact instructor to make arrangements.

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|---|---|---|---|
| 0101 | Edward Maclary | Seats (Total: 10) | |
| | TuTh 4:30pm - 5:45pm | PAC 2201 | Lab |

**MUSC649E** **Ensemble; Gospel Choir**

**MUSC649E Ensemble: Gospel Choir; (1 credit)** Grade Method: REG.

| | | | |
|---|---|---|---|
| 0101 | Anne Carswell | Seats (Total: 10) | |
| | Th 7:00pm - 10:00pm | PAC 2201 | Lab |

**MUSC649M** **Ensemble; Men's Chorus**

**MUSC649M Ensemble: Men's Chorus; (1 credit)** Grade Method: REG.

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|---|---|---|---|
| 0101 | Dustin Francis | Seats (Total: 10) | |
| | MWF 12:00pm - 12:50pm | PAC 1230 | |

**MUSC649O** **Ensemble; Opera Chorus**

**MUSC649O** *(PermReq)* **Ensemble: Opera Chorus; (1 credit)** Grade Method: REG.

| | | | |
|---|---|---|---|
| 0101 | Edward Maclary | Seats (Total: 15) | |
| | F 4:00pm - 6:00pm | PAC 2170 | Lab |

**MUSC649W** **Ensemble; Women's Chorus**

**MUSC649W Ensemble: Women's Chorus; (1 credit)** Grade Method: REG.

| | | | |
|---|---|---|---|
| 0101 | Kenneth Elpus | Seats (Total: 10) | |
| | MWF 12:00pm - 12:50pm | PAC 2201 | |

**MUSC654** **Jazz Improvisation II**

**MUSC654** *(PermReq)* **Jazz Improvisation II; (3 credits)** Grade Method: REG/AUD. *Prerequisite: MUSC653. Restriction: Permission of ARHU-School of Music department. Credit only granted for: MUSC654 or MUSC699Z. Formerly: MUSC699Z.* Continuation of MUSC653, study of jazz improvisation techniques through analysis, transcription and composition.

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|---|---|---|---|
| 0101 | Gerard Kunkel | Seats (Total: 5) | |
| | Th 12:30pm - 3:00pm | PAC 1208 | |

**MUSC656** **Jazz Arranging**

**MUSC656** *(PermReq)* **Jazz Arranging; (3 credits)** Grade Method: REG/AUD. *Prerequisite: MUSC655. Restriction: Permission of ARHU-School of Music department. Credit only granted for: MUSC656 or MUSC699N. Formerly: MUSC699N.* Comprehensive approach to jazz arranging, including chord scale theory, voicing techniques, part and score layout, and formal construction of an arrangement.

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|---|---|---|
| 0101 | Timothy Powell<br>W 2:30pm - 5:00pm | Seats (Total: 12)<br>PAC 2168 |

**MUSC659** **Seminar in Choral Repertoire and Pedagogy**

**MUSC659 Seminar in Choral Repertoire and Pedagogy; (2 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Edward Maclary<br>W 2:00pm - 2:50pm | Seats (Total: 6)<br>PAC 3164 |

**MUSC659B** **Seminar in Choral Repertoire and Pedagogy**

**MUSC659B** *(PermReq)* **Seminar in Choral Repertoire and Pedagogy; (2 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Michael Votta<br>Contact instructor or department for details. | Seats (Total: 10) |

**MUSC665** **Theory in Analysis**

**MUSC665 Theory in Analysis; (3 credits)** Grade Method: REG/AUD. *Prerequisite: MUSC445; or permission of ARHU-School of Music department. Restriction: Must not have completed MUSC465. Credit only granted for: MUSC465, MUSC665, or MUSC699T. Formerly: MUSC699T.* An advanced study of the philosophy, practice, and aesthetics of music analysis in contemporary music thoery. Readings drawn from the theoretic literature from 1960 to the present emphasize standards for discourse, the objects of music analysis, rationales for interpretation, and the role that theories of musical structure play in analytic practice.

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|---|---|---|
| 0101 | Dora Hanninen<br>F 1:00pm - 3:30pm | Seats (Total: 12)<br>PAC 2168 |

**MUSC669F** **Orchestral Excerpts for String Players; BASS**

**MUSC669F Orchestral Excerpts for String Players: BASS; (1 credit)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Robert Oppelt<br>W 4:30pm - 5:45pm | Seats (Total: 15)<br>Location: TBA |

**MUSC669V** **Orchestral Excerpts for String Players; HARP**

**MUSC669V Orchestral Excerpts for String Players: HARP; (1 credit)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Sarah Fuller<br>Contact instructor or department for details. | Seats (Total: 15) |

**MUSC672** **Masterworks of the 20th Century: 1900-1950**

**MUSC672 Masterworks of the 20th Century: 1900-1950; (3 credits)** Grade Method: REG/AUD.
*Restriction: Permission of ARHU-School of Music department; and must not have completed MUSC470. Credit only granted for: MUSC448M, MUSC470, MUSC672, or MUSC699M. Formerly: MUSC699M.* A comprehensive survey of Western Art-Music of the first half of the 20th Century with a more intensive study and analysis of composers who have had a profound influence in the development of compositional practice in the modern era.

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|---|---|---|
| 0101 | Mark Wilson<br>TuTh 2:00pm - 3:15pm | Seats (Total: 15)<br>PAC 3168 |

**MUSC673** **Style Analysis**

**MUSC673 Style Analysis; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: MUSC251; and permission of ARHU-School of Music department. Restriction: Must not have completed MUSC448. Credit only granted for: MUSC673, MUSC448F, or MUSC699F. Formerly: MUSC699F.* An analytical study of musical style from the Middle Ages to present through analysis of selected compositions. The principle genres and composers of Medieval, Renaissance, Baroque, Classical, Romantic and 20th century music will be covered. Also offered as MUSC448F.

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|---|---|---|
| 0101 | James Fry<br>TuTh 9:30am - 10:45am | Seats (Total: 15)<br>PAC 2160 |

**MUSC677** **Current Theory and Method in Ethnomusicology**

**MUSC677** *(PermReq)* **Current Theory and Method in Ethnomusicology; (3 credits)** Grade Method: REG/AUD.
*Restriction: Permission of ARHU-School of Music department. Credit only granted for: MUET676 OR MUSC677. Formerly: MUET676.* Reading and discussion of major works in ethnomusicology, with emphasis on a close examination of trends in methodology and theory from approximately twenty years before the present to current work in both areas. Current work in all geographic areas will be reviewed and analyzed.

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|---|---|---|
| 0101 | John Witzleben<br>M 3:30pm - 6:00pm | Seats (Total: 12)<br>PAC 3110A |

**MUSC688** **Advanced Orchestration**

**MUSC688** *(PermReq)* **Advanced Orchestration; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Mark Wilson<br>TuTh 11:00am - 12:15pm | Seats (Total: 5)<br>PAC 2168 |

**MUSC689** **Advanced Conducting**

**MUSC689** *(PermReq)* **Advanced Conducting; (3 credits)** Grade Method: REG/AUD. Advanced special students require department authorization. Limited to conducting majors only.

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|---|---|---|
| 0201 | James Ross<br>M 3:00pm - 5:00pm<br>F 3:00pm - 5:00pm | Seats (Total: 10)<br>PAC 3164<br>PAC 1230 |
| 0301 | Michael Votta<br>Tu 7:00pm - 9:30pm | Seats (Total: 10)<br>PAC 3168 |

**MUSC699** **Selected Topics in Music**

**MUSC699** *(PermReq)* **Selected Topics in Music; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**MUSC699E** **Selected Topics in Music; Symphonic Literature**

**MUSC699E** *(PermReq)* **Selected Topics in Music: Symphonic Literature; (3 credits)** Grade Method: REG.

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|---|---|---|
| 0101 | Richard Wexler<br>Tu 7:00pm - 9:30pm | Seats (Total: 6)<br>PAC 3110A |

**MUSC699W** **Selected Topics in Music; Instrumental Pedagogy**

**MUSC699W Selected Topics in Music: Instrumental Pedagogy; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**MUSC758** **Advanced Aural Skills for Conductors**

**MUSC758** *(PermReq)* **Advanced Aural Skills for Conductors; (1 credit)** Grade Method: REG.

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|---|---|---|
| 0101 | Michael Votta<br>W 1:00pm - 2:15pm | Seats (Total: 5)<br>PAC 2126 |

**MUSC799** **Master's Thesis Research**

**MUSC799** *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**MUSC800A** **Advanced Seminar in Music Pedagogy**

**MUSC800A Advanced Seminar in Music Pedagogy; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: MUSC400; or students who have taken courses with comparable content may contact the department. Restriction: Permission of instructor.* A detailed study of historical and contemporary methods of pedagogy, and analysis of pedagogical problems. Sectioning by instrument. Required of all candidates for the D.M.A. Degree in performance and literature.

| | | |
|---|---|---|
| 0101 | Rita Sloan | Seats (Total: 5) |
| | Contact instructor or department for details. | |

**MUSC800W** **Advanced Seminar in Music Pedagogy**

**MUSC800W Advanced Seminar in Music Pedagogy; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: MUSC400; or students who have taken courses with comparable content may contact the department. Restriction: Permission of instructor.* A detailed study of historical and contemporary methods of pedagogy, and analysis of pedagogical problems. Sectioning by instrument. Required of all candidates for the D.M.A. Degree in performance and literature.

**Contact department for information to register for this course.**

**MUSC801S** **Advanced Seminar in Music Pedagogy**

**MUSC801S** *(PermReq)* **Advanced Seminar in Music Pedagogy; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: MUSC400; or students who have taken courses with comparable content may contact the department. Restriction: Permission of instructor.* A detailed study of historical and contemporary methods of pedagogy, and analysis of pedagogical problems. Sectioning by instrument. Required of all candidates for the D.M.A. Degree in performance and literature.

| | | |
|---|---|---|
| 0101 | Gerald Fischbach | Seats (Total: 20) |
| | M 9:00am - 12:00pm | PAC 2126 |
| 0201 | Sarah Fuller | Seats (Total: 5) |
| | Contact instructor or department for details. | |

**MUSC801W** **Advanced Seminar in Music Pedagogy**

**MUSC801W Advanced Seminar in Music Pedagogy; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: MUSC400; or students who have taken courses with comparable content may contact the department. Restriction: Permission of instructor.* A detailed study of historical and contemporary methods of pedagogy, and analysis of pedagogical problems. Sectioning by instrument. Required of all candidates for the D.M.A. Degree in performance and literature.

**Contact department for information to register for this course.**

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**MUSC812** **Doctoral Opera Techniques II**

**MUSC812 Doctoral Opera Techniques II; (2 credits)** Grade Method: REG/AUD.
*Prerequisite: MUSC811; and permission of ARHU-School of Music department. Credit only granted for: MUSC612 or MUSC812.* Continuation of MUSC811. Techniques for opera preformance: Scene Study II; Acting II; Movement II: Stage Combat I; and Mask; and methodology seminar.

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|---|---|---|---|
| 0101 | Nicholas Olcott | Seats (Total: 5) | |
| | TBA | PAC 2170 | |
| | TBA | PAC 1218 | Lab |

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**MUSC814** **Doctoral Opera Techniques IV**

**MUSC814 Doctoral Opera Techniques IV; (2 credits)** Grade Method: REG/AUD.
*Prerequisite: MUSC813; and permission of ARHU-School of Music department. Credit only granted for: MUSC614 or MUSC814.* Continuation of MUSC813. Techniques for opera performance: Scene Study IV; Dance II; Movement IV; and methodology seminar.

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|---|---|---|---|
| 0101 | Nicholas Olcott | Seats (Total: 5) | |
| | TBA | PAC 2170 | |
| | TBA | PAC 1218 | Lab |

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**MUSC830C** **Doctoral Seminar in Music Literature**

**MUSC830C Doctoral Seminar in Music Literature; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Must have completed at least twelve hours in music history and literature.* An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music; required of all candidates for the D.M.A. Degree in literature-performance.

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|---|---|---|
| 0101 | James Ross | Seats (Total: 8) |
| | Contact instructor or department for details. | |

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**MUSC830W** **Doctoral Seminar in Music Literature**

**MUSC830W Doctoral Seminar in Music Literature; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: Must have completed at least twelve hours in music history and literature.* An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music; required of all candidates for the D.M.A. Degree in literature-performance.

**Contact department for information to register for this course.**

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**MUSC831A** **Doctoral Seminar in Music Literature**

**MUSC831A Doctoral Seminar in Music Literature; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: MUSC830; or permission of ARHU-School of Music department.* An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music. Required of all candidates for the D.M.A. Degree in literature-performance.

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|---|---|---|
| 0101 | Robert McReynolds | Seats (Total: 10) |
| | W 3:30pm - 5:30pm | PAC 2200 |

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**MUSC831C** **Doctoral Seminar in Music Literature**

**MUSC831C** *(PermReq)* **Doctoral Seminar in Music Literature; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: MUSC830; or permission of ARHU-School of Music department.* An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music. Required of all candidates for the D.M.A. Degree in literature-performance.

| | | |
|---|---|---|
| 0101 | James Ross | Seats (Total: 5) |
| | Contact instructor or department for details. | |

**MUSC831P** **Doctoral Seminar in Music Literature**

**MUSC831P Doctoral Seminar in Music Literature; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: MUSC830; or permission of ARHU-School of Music department.* An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music. Required of all candidates for the D.M.A. Degree in literature-performance.

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|---|---|---|
| 0101 | Mayron Tsong | Seats (Total: 15) |
| | W 12:00pm - 2:30pm | PAC 3168 |

**MUSC831V** **Doctoral Seminar in Music Literature**

**MUSC831V Doctoral Seminar in Music Literature; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: MUSC830; or permission of ARHU-School of Music department.* An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music. Required of all candidates for the D.M.A. Degree in literature-performance.

| | | |
|---|---|---|
| 0101 | Gran Wilson, Robert McReynolds | Seats (Total: 15) |
| | W 3:00pm - 5:30pm | PAC 2200 |

**MUSC831W** **Doctoral Seminar in Music Literature**

**MUSC831W Doctoral Seminar in Music Literature; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: MUSC830; or permission of ARHU-School of Music department.* An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music. Required of all candidates for the D.M.A. Degree in literature-performance.

**Contact department for information to register for this course.**

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**MUSC832A** **Doctoral Seminar in Music Literature**

**MUSC832A Doctoral Seminar in Music Literature; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: MUSC831. Restriction: Permission of ARHU-School of Music department.* An analytical survey of the literature of music: keyboard music; vocal music; string music; wind instrument music.

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|---|---|---|
| 0101 | Rita Sloan | Seats (Total: 5) |
| | Th 10:00am - 12:30pm | PAC 2126 |

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**MUSC898** **Pre-Candidacy Research**

**MUSC898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**MUSC899** **Doctoral Dissertation Research**

**MUSC899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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# NACS Neuroscience & Cognitive Science Spring 2013

**NACS600** **Ethics in Scientific Research**

**NACS600** *(PermReq)* **Ethics in Scientific Research; (2 credits)** Grade Method: REG/AUD.
*Prerequisite: Must have completed a year of graduate study. Restriction: Permission of instructor; and must be in Neurosciences and Cognitive Sciences (Doctoral) program. Credit only granted for: NACS600, PSYC788B, or BIOL600.* Issues of scientific integrity with emphasis on investigators in the laboratory sciences, including mentoring, scientific record keeping, authorship and peer review, ownership of data, use of animals and humans in research, and conflict of interest. Also offered as BIOL600, CHEM648E, and PSCY788B.

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|---|---|---|
| 0101 | Philip DeShong, Robert Dooling<br>W 3:00pm - 5:00pm | Seats (Total: 20)<br>BPS 1208 |

**NACS608** **Neuroscience and Cognitive Science Seminar**

**NACS608 Neuroscience and Cognitive Science Seminar; (1 credit)** Grade Method: REG.

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|---|---|---|
| 0101 | Ricardo Araneda<br>F 10:15am - 11:15am | Seats (Total: 20)<br>BRB 1103 |

**NACS642** **Cognitive and Computational Neuroscience**

**NACS642 Cognitive and Computational Neuroscience; (4 credits)** Grade Method: REG/AUD.
A study of the fundamental concepts and techniques of cognitive and computation nueroscience. Recurring themes in the field such as face recognition, learning, and language are examined.

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|---|---|---|
| 0101 | Ellen Lau<br>TuTh 10:00am - 12:00pm | Seats (Total: 15)<br>GVC 1117 |

**NACS643** **Computational Neuroscience**

**NACS643** *(PermReq)* **Computational Neuroscience; (4 credits)** Grade Method: REG/AUD.
*Prerequisite: NACS641; and must have completed a course in calculus; and permission of instructor.* Provides a mathematical foundation in computational neuroscience. Use of a computer with MATLAB will be required for the homework assignments.

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|---|---|---|
| 0101 | Daniel Butts | Seats (Total: 20) |
| | MW 12:00pm - 1:50pm | PLS 1115 |

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**NACS728C** **Selected Topics in Neuroscience and Cognitive Science; Attachment Theory**

**NACS728C Selected Topics in Neuroscience and Cognitive Science: Attachment Theory; (3 credits)** Grade Method: REG/AUD.
Also offered as PSYC819A. Credit will be granted for only one of the following: PSYC819A or NACS728C.

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|---|---|---|
| 0101 | Jude Cassidy | Seats (Total: 12) |
| | W 9:30am - 12:00pm | BPS 1103 |

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**NACS728K** **Selected Topics in Neuroscience and Cognitive Science**

**NACS728K Selected Topics in Neuroscience and Cognitive Science; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Yasmeen Shah | Seats (Total: 20) |
| | Tu 1:00pm - 3:30pm | LEF 0135 |

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**NACS728M** **Selected Topics in Neuroscience and Cognitive Science; Grant Writing**

**NACS728M Selected Topics in Neuroscience and Cognitive Science: Grant Writing; (2 credits)** Grade Method: REG/AUD.
Instruction in grant-writing skill, introduction to resources, discussions on how to make your grant competitive, and insight into the review process. The goal will be to have each participant submit an NRSA. Also offered as BIOL709A.

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|---|---|---|
| 0101 | Elizabeth Quinlan | Seats (Total: 20) |
| | Tu 3:00pm - 5:00pm | BPS 1208 |

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**NACS728Q** **Selected Topics in Neuroscience and Cognitive Science; Biological Bases of Behavior Laboratory**

**NACS728Q** *(PermReq)* **Selected Topics in Neuroscience and Cognitive Science: Biological Bases of Behavior Laboratory; (4 credits)** Grade Method: REG/AUD.

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|---|---|---|---|
| 0101 | David Yager<br>MW 9:00am - 9:50am<br>M 1:00pm - 5:00pm | Seats (Total: 6)<br>BPS 1236<br>BPS 0263 | <br><br>Lab |
| 0201 | David Yager<br>MW 9:00am - 9:50am<br>Tu 1:00pm - 5:00pm | Seats (Total: 6)<br>BPS 1236<br>BPS 0263 | <br><br>Lab |
| 0301 | David Yager<br>MW 9:00am - 9:50am<br>W 1:00pm - 5:00pm | Seats (Total: 6)<br>BPS 1236<br>BPS 0263 | <br><br>Lab |

**NACS898** **Pre-Candidacy Research**

**NACS898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**NACS899** **Doctoral Dissertation Research**

**NACS899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# NFSC Nutrition and Food Science Spring 2013

**NFSC100** **Elements of Nutrition**

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

**NFSC100 Elements of Nutrition; (3 credits)** Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. GenEd: Distributive Studies - Natural Sciences. Fundamentals of human nutrition. Nutrient requirements related to changing individual and family needs.

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|---|---|---|---|
| 0101 | Wen Hsing Cheng<br>MW 11:00am - 11:50am<br>W 3:00pm - 3:50pm | Seats (Total: 25)<br>TYD 0130<br>ARM 0120 | Discussion |
| 0102 | Wen Hsing Cheng<br>MW 11:00am - 11:50am<br>W 2:00pm - 2:50pm | Seats (Total: 25)<br>TYD 0130<br>HBK 1108 | Discussion |
| 0103 | Wen Hsing Cheng<br>MW 11:00am - 11:50am<br>Tu 4:00pm - 4:50pm | Seats (Total: 25)<br>TYD 0130<br>ARM 0118 | Discussion |
| 0104 | Wen Hsing Cheng<br>MW 11:00am - 11:50am<br>Th 12:30pm - 1:20pm | Seats (Total: 25)<br>TYD 0130<br>PHY 1204 | Discussion |
| 0105 | Wen Hsing Cheng<br>MW 11:00am - 11:50am<br>F 11:00am - 11:50am | Seats (Total: 25)<br>TYD 0130<br>BPS 1232 | Discussion |
| 0106 | Wen Hsing Cheng<br>MW 11:00am - 11:50am<br>W 2:00pm - 2:50pm | Seats (Total: 25)<br>TYD 0130<br>ARM 0119 | Discussion |
| 0107 | Wen Hsing Cheng<br>MW 11:00am - 11:50am<br>Th 5:00pm - 5:50pm | Seats (Total: 25)<br>TYD 0130<br>ARM 0120 | Discussion |

| | | | |
|---|---|---|---|
| 0108 | Wen Hsing Cheng<br>MW 11:00am - 11:50am<br>W 12:00pm - 12:50pm | Seats (Total: 25)<br>TYD 0130<br>HZF 0106 | Discussion |
| | *Section 0108 is recommended for majors only.* | | |
| 0109 | Wen Hsing Cheng<br>MW 11:00am - 11:50am<br>W 4:00pm - 4:50pm | Seats (Total: 25)<br>TYD 0130<br>JMZ 0208 | Discussion |
| 0110 | Wen Hsing Cheng<br>MW 11:00am - 11:50am<br>W 1:00pm - 1:50pm | Seats (Total: 25)<br>TYD 0130<br>MMH 0108 | Discussion |
| 0111 | Wen Hsing Cheng<br>MW 11:00am - 11:50am<br>Tu 2:00pm - 2:50pm | Seats (Total: 25)<br>TYD 0130<br>JMZ 1122 | Discussion |
| 0112 | Wen Hsing Cheng<br>MW 11:00am - 11:50am<br>Tu 5:00pm - 5:50pm | Seats (Total: 25)<br>TYD 0130<br>JMZ 0125 | Discussion |
| 0113 | Wen Hsing Cheng<br>MW 11:00am - 11:50am<br>Th 2:00pm - 2:50pm | Seats (Total: 25)<br>TYD 0130<br>ARM 0103 | Discussion |
| 0114 | Wen Hsing Cheng<br>MW 11:00am - 11:50am<br>Th 9:30am - 10:20am | Seats (Total: 25)<br>TYD 0130<br>TYD 0101 | Discussion |
| 0115 | Wen Hsing Cheng<br>MW 11:00am - 11:50am<br>Th 3:00pm - 3:50pm | Seats (Total: 25)<br>TYD 0130<br>JMZ 1122 | Discussion |
| 0116 | Wen Hsing Cheng<br>MW 11:00am - 11:50am<br>Tu 3:00pm - 3:50pm | Seats (Total: 25)<br>TYD 0130<br>JMZ 1122 | Discussion |
| 0117 | Wen Hsing Cheng<br>MW 11:00am - 11:50am<br>W 10:00am - 10:50am | Seats (Total: 25)<br>TYD 0130<br>HJP 1125 | Discussion |

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|---|---|---|---|
| 0118 | Wen Hsing Cheng<br>MW 11:00am - 11:50am<br>W 9:00am - 9:50am | Seats (Total: 25)<br>TYD 0130<br>MMH 0108 | Discussion |

**NFSC315** **Nutrition During the Life Cycle**

**NFSC315 Nutrition During the Life Cycle; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: NFSC100. Formerly: NUTR315.* A study of how development throughout life, including prenatal development, pregnancy, lactation, adolescence and aging, alter nutrient requirements. Students will apply this knowledge to the dietary needs and food choices of these different groups.

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|---|---|---|
| 0101 | Hee-Jung Song, Robert Jackson<br>TuTh 2:00pm - 3:15pm | Seats (Total: 101)<br>HJP 0226 |

**NFSC386** **Experiential Learning**

**NFSC386** *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: Permission of AGNR-Nutrition and Food Science department. Restriction: Junior standing or higher. Formerly: FDSC386 and NUTR386.*

**Contact department for information to register for this course.**

**NFSC388** **Honors Thesis Research**

**NFSC388 Honors Thesis Research; (3-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**NFSC398** **Seminar**

**NFSC398 Seminar; (1 credit)** Grade Method: REG.
FDSC majors only.

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|---|---|---|
| 0101 | Qin Wang<br>F 1:00pm - 1:50pm | Seats (Total: 15)<br>SKN 0101 |

**NFSC399** **Special Problems in Food Science**

**NFSC399** *(PermReq)* **Special Problems in Food Science; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**NFSC412** **Food Processing Technology**

**NFSC412 Food Processing Technology; (4 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: CHEM241, CHEM242, NFSC431, NFSC414, and NFSC434. Corequisite: NFSC421 and NFSC423. Recommended: MATH220.* Provides in-depth study of the major industrial modes of food preservation. It integrates aspects of the biology, microbiology, biochemistry and engineering disciplines as they relate to food processing technology and food science.

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|---|---|---|---|
| 0101 | Yangming Lo | Seats (Total: 20) | |
| | MW 10:00am - 10:50am | MMH 0108 | |
| | M 1:00pm - 5:30pm | MMH 3401 | Lab |

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**NFSC430** **Food Microbiology**

**NFSC430 Food Microbiology; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: BSCI223; or permission of instructor. Credit only granted for: ANSC430 or NFSC430. Formerly: FDSC430.* A study of microorganisms of major importance to the food industry with emphasis on food-borne outbreaks, public health significance, bioprocessing of foods, disease control, and the microbial spoilage of foods. Also offered as NFSC679M.

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| 0101 | Robert Buchanan | Seats (Total: 40) | |
| | MW 11:00am - 12:15pm | MMH 3418 | |

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**NFSC431** **Food Quality Control**

**NFSC431 Food Quality Control; (4 credits)** Grade Method: REG/P-F/AUD. Definition and organization of the quality control function in the food industry; preparation of specifications; statistical methods for acceptance sampling; in-plant and processed product inspection. Instrumental and sensory methods for evaluating sensory quality, identity and wholesomeness and their integration into grades and standards of quality. Statistical Process Control (SPC).

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|---|---|---|---|
| 0101 | Abani Pradhan<br>TuTh 11:00am - 11:50am<br>F 9:00am - 11:30am | Seats (Total: 20)<br>SKN 0101<br>MMH 3419 | <br><br>Lab |

**NFSC434** **Food Microbiology Laboratory**

**NFSC434 Food Microbiology Laboratory; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Must have completed or be concurrently enrolled in NFSC430. Credit only granted for: NFSC434 or ANSC434. Formerly: FDSC434.* A study of techniques and procedures used in the microbiological examination of foods.

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| 0101 | Robert Buchanan<br>TuTh 12:30pm - 4:00pm | Seats (Total: 20)<br>MMH 3419 | <br>Lab |

**NFSC450** **Food and Nutrient Analysis**

**NFSC450 Food and Nutrient Analysis; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: BCHM461 and NFSC100. Formerly: NUTR450.* Methods and practices of the analysis of foods and nutrients. An overview of the principles and basic mechanisms used in many of the analytical procedures commonly used in food and nutrition research. Emphasis will be placed on hands-on development of skills necessary to complete each analytical procedure; and on the accurate and concise description of the methodology and results from their application and on the regulations governing food analysis for nutritional labeling.

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|---|---|---|---|
| 0101 | Thomas Castonguay<br>W 1:00pm - 1:50pm<br>W 2:00pm - 5:00pm | Seats (Total: 13)<br>MMH 3112<br>MMH 3419 | <br><br>Lab |
| 0102 | Thomas Castonguay<br>W 1:00pm - 1:50pm<br>M 1:00pm - 4:00pm | Seats (Total: 13)<br>MMH 3112<br>MMH 3419 | <br><br>Lab |

**NFSC460** **Medical Nutrition Therapy**

**NFSC460** *(PermReq)* **Medical Nutrition Therapy; (4 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: NFSC380 and NFSC440; and permission of AGNR-Nutrition and Food Science department. Formerly: NUTR460.* Modifications of the normal adequate diet to meet human nutritional needs in acute and chronic diseases and metabolic disorders.

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| 0101 | Margaret Udahogora<br>MW 1:00pm - 2:15pm<br>M 2:30pm - 5:30pm | Seats (Total: 17)<br>PLS 1119<br>MMH 1304 | <br><br>Lab |
| 0102 | Margaret Udahogora<br>MW 1:00pm - 2:15pm<br>W 2:30pm - 5:30pm | Seats (Total: 17)<br>PLS 1119<br>MMH 1304 | <br><br>Lab |

**NFSC470** **Community Nutrition**

**NFSC470 Community Nutrition; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
*Prerequisite: NFSC315; and permission of AGNR-Nutrition and Food Science department. Formerly: NUTR470.* Perspectives underlying the practice of nutrition services in community settings. Assessment of needs, program planning and evaluation. Programs and strategies to meet nutrition needs outside the acute care setting, such as nutrition education and food assistance. National nutrition policy and federal initiatives in nutrition will be examined. Students will be required to travel to local community nutrition sites during the semester.

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| 0101 | Nadine Sahyoun<br>MW 11:00am - 11:50am<br>F 10:00am - 11:50am | Seats (Total: 40)<br>MMH 0108<br>TYD 2106 | <br><br>Discussion |

**NFSC490** **Special Problems in Nutrition**

**NFSC490** *(PermReq)* **Special Problems in Nutrition; (2-3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: NFSC440; and permission of AGNR-Nutrition and Food Science department.* Individually selected problems in the area of human nutrition.

**Contact department for information to register for this course.**

**NFSC491** **Issues and Problems in Dietetics**

**NFSC491 Issues and Problems in Dietetics; (3 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
*Prerequisite: NFSC350; and permission of AGNR-Nutrition and Food Science department. Corequisite: NFSC460. Restriction: Senior standing or higher; and must be in Nutrition and Food Science: Dietetics program.* A capstone course for dietetics majors. Students will integrate knowledge and theory of nutrition, food, management, psychology, and social behaviors necessary to support quality dietetic practice. Working in teams, students will participate in case studies, simulated situations and community projects. Individuals and groups will present cases as well as papers on published research.

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| 0101 | Kathleen Pellechia<br>MW 8:30am - 10:50am | Seats (Total: 25)<br>HBK 0103 |

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**NFSC498** **Selected Topics**

**NFSC498** *(PermReq)* **Selected Topics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**NFSC498A** **Selected Topics; Individual Study**

**NFSC498A** *(PermReq)* **Selected Topics: Individual Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**NFSC498L** **Selected Topics; Diet and Optimal Human Health**

**NFSC498L Selected Topics: Diet and Optimal Human Health; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Seong-Ho Lee<br>Tu 2:00pm - 4:30pm | Seats (Total: 20)<br>EGR 1108 |

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**NFSC611** **Molecular Nutrition: Genomic, Metabolic, and Health Aspects**

**NFSC611 Molecular Nutrition: Genomic, Metabolic, and Health Aspects; (2 credits)** Grade Method: REG/AUD.
*Recommended: BCHM461, NFSC440, or BCHM463.* The emerging discipline of molecular nutrition encompasses nutritional biochemistry, nutritional genomics, nutritional metabolomics, and epigenetics. It focuses on the effects of diet and nutrients on an individual's genome and metabolism, and how the molecular events affect human health. This is a co-taught course together with National Taiwan University via videoconferencing.

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|---|---|---|
| 0101 | Wen Hsing Cheng<br>MW 7:00pm - 8:25pm | Seats (Total: 20)<br>SYM 0118 |

**NFSC631** **Advanced Food Microbiology**

**NFSC631 Advanced Food Microbiology; (3 credits)** Grade Method: REG.
*Prerequisite: NFSC430. Restriction: Permission of instructor.* One lecture and one laboratory period a week. An in-depth understanding and working knowledge of a selected number of problem areas and contemporary topics in food microbiology.

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| 0101 | Jianghong Meng<br>F 1:00pm - 3:45pm | Seats (Total: 25)<br>MMH 3418 |

**NFSC678A** **Selected Topics in Nutrition**

**NFSC678A Selected Topics in Nutrition; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**NFSC678L** **Selected Topics in Nutrition; Diet and Optimal Human Health**

**NFSC678L Selected Topics in Nutrition: Diet and Optimal Human Health; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Seong-Ho Lee<br>Tu 2:00pm - 4:30pm | Seats (Total: 5)<br>EGR 1108 |

**NFSC679F** **Selected Topics in Food Science; Food Processing Technology**

**NFSC679F Selected Topics in Food Science: Food Processing Technology; (4 credits)** Grade Method: REG.

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|---|---|---|---|
| 0101 | Yangming Lo | Seats (Total: 20) | |
| | MW 10:00am - 10:50am | MMH 0108 | |
| | M 1:00pm - 5:30pm | MMH 3401 | Lab |

**NFSC679M** **Selected Topics in Food Science; Food Microbiology**

**NFSC679M Selected Topics in Food Science: Food Microbiology; (3 credits)** Grade Method: REG.
Also offered as NFSC430.

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|---|---|---|
| 0101 | Robert Buchanan | Seats (Total: 6) |
| | MW 11:00am - 12:15pm | MMH 3418 |

**NFSC679P** **Selected Topics in Food Science; Food Polymer Science**

**NFSC679P Selected Topics in Food Science: Food Polymer Science; (3 credits)** Grade Method: REG.

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|---|---|---|
| 0101 | Qin Wang | Seats (Total: 15) |
| | Tu 1:00pm - 3:45pm | MMH 3112 |

**NFSC688** **Seminar in Nutrition and Food Science**

**NFSC688 Seminar in Nutrition and Food Science; (1-3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Robert Jackson | Seats (Total: 25) |
| | W 12:00pm - 12:50pm | SKN 0101 |

**NFSC699** **Problems in Nutrition and Food Science**

**NFSC699** *(PermReq)* **Problems in Nutrition and Food Science; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**NFSC799** **Master's Thesis Research**

**NFSC799 Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**NFSC898** **Pre-Candidacy Research**

**NFSC898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**NFSC899** **Doctoral Dissertation Research**

**NFSC899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

## NIAV National Institute of Aeronautics - Univ of VA — Spring 2013

**NIAV788A** **Advanced Topics; Engineering Design Optimization**
**Contact department for information to register for this course.**

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**NIAV788W** **Advanced Topics; Statistics for Engineers and Scientists**

**NIAV788W Advanced Topics: Statistics for Engineers and Scientists; (3 credits)** Grade Method: REG.

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|---|---|---|
| TV01 | Sung Lee | Seats (Total: 20) |
| | Contact instructor or department for details. | |

## PERS Persian — Spring 2013

**PERS102** **Elementary Persian II**

**PERS102 Elementary Persian II; (4 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: PERS101; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be native/fluent speaker of Persian.* Continuation of PERS101 with emphasis on the use of formal language, vocabulary building, and reading.

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|---|---|---|
| 0101 | Payman Vafaee | Seats (Total: 15) |
| | MTuW 10:00am - 10:50am<br>F 10:00am - 10:50am | SQH 2119<br>SQH 2117 |

**PERS202** **Intermediate Persian II**

**PERS202 Intermediate Persian II; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. *Prerequisite: PERS201; or Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be native/fluent speaker of Persian.* Further development of speaking, writing, listening and cultural knowledge, with special focus on culture.

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|---|---|---|
| 0101 | Nahal Akbari-Saneh | Seats (Total: 15) |
| | MWF 11:00am - 11:50am | SQH 1101 |

**PERS212** **Intermediate Reading in Persian**

**PERS212 Intermediate Reading in Persian; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: PERS211 and PERS201; or permission of instructor. Corequisite: PERS202; or permission of instructor.* Focus on linguistic skill specific to reading; introduction to written traditions of Persian.

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|---|---|---|
| 0101 | Ali Abasi | Seats (Total: 15) |
| | MWF 12:00pm - 12:50pm | JMZ 0205 |

**PERS302** **Advanced Persian II**

**PERS302 Advanced Persian II; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PERS301; or students who have taken courses with comparable content may contact the department. Restriction: Must not be native/fluent speaker of Persian.*
Further development of speaking, reading, writing, listening and cultural knowledge, with special focus on reading, in a variety of literary genres.

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|---|---|---|
| 0101 | Ali Abasi | Seats (Total: 15) |
| | MWF 11:00am - 11:50am | JMZ 3122 |

**PERS398E** **Special Topics in Persian Studies; Iranian Women Writers in Translation**

**PERS398E Special Topics in Persian Studies: Iranian Women Writers in Translation; (3 credits)** Grade Method: REG/P-F/AUD.
Taught in English.

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|---|---|---|
| 0101 | Safoora Nourbakhsh | Seats (Total: 30) |
| | MW 2:00pm - 3:15pm | SQH 2120 |

**PERS398P** **Special Topics in Persian Studies; Advanced Persian through Literature by Women Writers**

**PERS398P Special Topics in Persian Studies: Advanced Persian through Literature by Women Writers; (3 credits)** Grade Method: REG/P-F/AUD.
Taught in Persian. Not open to fluent/native speakers of Persian.

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|---|---|---|
| 0101 | Safoora Nourbakhsh, Nahal Akbari-Saneh | Seats (Total: 15) |
| | MWF 1:00pm - 1:50pm | SQH 1123 |

**PERS399** **Directed Study in Persian**

**PERS399** *(PermReq)* **Directed Study in Persian; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**PERS402** **Persian Translation**

**PERS402 Persian Translation; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: PERS302; or permission of ARHU-School of Languages, Literatures, and Cultures department.* Focuses on hands-on practice of English/Persian and Persian/English translation as well as the problematic issues of translation. Taught in Persian.

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|---|---|---|
| 0101 | Ahmad Karimi-Hakkak | Seats (Total: 15) |
| | TuTh 2:00pm - 3:15pm | JMZ 1124 |

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**PERS498** **Special Topics in Persian Studies**

**PERS498** *(PermReq)* **Special Topics in Persian Studies; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**PERS498C** **Special Topics in Persian Studies; Late Medieval Middle East, 1000-1500 CE**

**PERS498C Special Topics in Persian Studies: Late Medieval Middle East, 1000-1500 CE; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as HIST429N or RELS419N. Credit will be granted for only one of the following: HIST429N, RELS419N, or PERS498C.

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|---|---|---|
| 0101 | Ahmet Karamustafa | Seats (Total: 15) |
| | W 3:30pm - 5:30pm | TLF 2103 |
| | Contact instructor or department for details. | |

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**PERS788** **Internship in Persian**

**PERS788 Internship in Persian; (3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**PERS788A** **Internship in Persian**

**PERS788A Internship in Persian; (3 credits)** Grade Method: S-F.

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|---|---|---|
| PC01 | Nahal Akbari-Saneh | Seats (Total: 5) |
| | Contact instructor or department for details. | |

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# PHIL Philosophy Spring 2013

**PHIL100** **Introduction to Philosophy**

**PHIL100 Introduction to Philosophy; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
An introduction to the literature, problems, and methods of philosophy either through a study of some of the main figures in philosophic thought or through an examination of some of the central and recurring problems of philosophy.

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|---|---|---|---|
| 0101 | Brock Rough<br>TuTh 11:00am - 11:50am<br>F 10:00am - 10:50am | Seats (Total: 25)<br>SKN 0200<br>BPS 1232 | Discussion |
| 0102 | Brock Rough<br>TuTh 11:00am - 11:50am<br>F 11:00am - 11:50am | Seats (Total: 25)<br>SKN 0200<br>EDU 0212 | Discussion |
| 0103 | Brock Rough<br>TuTh 11:00am - 11:50am<br>F 12:00pm - 12:50pm | Seats (Total: 25)<br>SKN 0200<br>ASY 3211 | Discussion |
| 0104 | Brock Rough<br>TuTh 11:00am - 11:50am<br>F 10:00am - 10:50am | Seats (Total: 25)<br>SKN 0200<br>HJP 1104 | Discussion |
| 0105 | Brock Rough<br>TuTh 11:00am - 11:50am<br>F 11:00am - 11:50am | Seats (Total: 25)<br>SKN 0200<br>EDU 1107 | Discussion |
| 0106 | Brock Rough<br>TuTh 11:00am - 11:50am<br>F 12:00pm - 12:50pm | Seats (Total: 25)<br>SKN 0200<br>EDU 0206 | Discussion |
| 0201 | Vincent Picciuto<br>MW 2:00pm - 2:50pm<br>F 10:00am - 10:50am | Seats (Total: 23)<br>KEY 0106<br>SQH 1119 | Discussion |
| 0202 | Vincent Picciuto<br>MW 2:00pm - 2:50pm<br>F 11:00am - 11:50am | Seats (Total: 23)<br>KEY 0106<br>LEF 2208 | Discussion |

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| 0203 | Vincent Picciuto<br>MW 2:00pm - 2:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 23)<br>KEY 0106<br>ASY 3207 | Discussion |
| 0204 | Vincent Picciuto<br>MW 2:00pm - 2:50pm<br>F 10:00am - 10:50am | Seats (Total: 23)<br>KEY 0106<br>HBK 0109 | Discussion |
| 0205 | Vincent Picciuto<br>MW 2:00pm - 2:50pm<br>F 11:00am - 11:50am | Seats (Total: 23)<br>KEY 0106<br>HJP 1104 | Discussion |
| 0206 | Vincent Picciuto<br>MW 2:00pm - 2:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 23)<br>KEY 0106<br>EDU 2119 | Discussion |

**PHIL140** **Contemporary Moral Issues**

**PHIL140 Contemporary Moral Issues; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
The uses of philosophical analysis in thinking clearly about such widely debated moral issues as abortion, euthanasia, homosexuality, pornography, reverse discrimination, the death penalty, business ethics, sexual equality, and economic justice.

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|---|---|---|---|
| 0101 | Peter Carruthers<br>TuTh 12:30pm - 1:20pm<br>F 10:00am - 10:50am | Seats (Total: 20)<br>KEY 0106<br>PLS 1164 | Discussion |
| 0102 | Peter Carruthers<br>TuTh 12:30pm - 1:20pm<br>F 12:00pm - 12:50pm | Seats (Total: 25)<br>KEY 0106<br>EDU 0212 | Discussion |
| 0103 | Peter Carruthers<br>TuTh 12:30pm - 1:20pm<br>F 1:00pm - 1:50pm | Seats (Total: 25)<br>KEY 0106<br>SKN 1112 | Discussion |
| 0104 | Peter Carruthers<br>TuTh 12:30pm - 1:20pm<br>F 10:00am - 10:50am | Seats (Total: 20)<br>KEY 0106<br>SKN 0104 | Discussion |

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|---|---|---|---|
| 0105 | Peter Carruthers<br>TuTh 12:30pm - 1:20pm<br>F 12:00pm - 12:50pm | Seats (Total: 25)<br>KEY 0106<br>SKN 1112 | Discussion |
| 0106 | Peter Carruthers<br>TuTh 12:30pm - 1:20pm<br>F 1:00pm - 1:50pm | Seats (Total: 25)<br>KEY 0106<br>SKN 1115 | Discussion |
| 0201 | Samuel Kerstein<br>MW 12:00pm - 12:50pm<br>F 10:00am - 10:50am | Seats (Total: 25)<br>SHM 2102<br>PLS 1113 | Discussion |
| 0202 | Samuel Kerstein<br>MW 12:00pm - 12:50pm<br>F 11:00am - 11:50am | Seats (Total: 25)<br>SHM 2102<br>SKN 0104 | Discussion |
| 0203 | Samuel Kerstein<br>MW 12:00pm - 12:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 25)<br>SHM 2102<br>SKN 0104 | Discussion |
| 0204 | Samuel Kerstein<br>MW 12:00pm - 12:50pm<br>F 11:00am - 11:50am | Seats (Total: 25)<br>SHM 2102<br>PLS 1184 | Discussion |
| 0205 | Samuel Kerstein<br>MW 12:00pm - 12:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 25)<br>SHM 2102<br>HBK 1108 | Discussion |
| 0206 | Samuel Kerstein<br>MW 12:00pm - 12:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 25)<br>SHM 2102<br>PLS 1117 | Discussion |

**PHIL170** **Introduction to Logic**

**PHIL170 Introduction to Logic; (3 credits)** Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Fundamental Studies - Analytic Reasoning.
Development of analytical reasoning skills through study of formal logics, reasoning systems, and fallacious inference patterns.

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|---|---|---|---|
| 0101 | David McElhoes<br>MW 11:00am - 11:50am<br>F 10:00am - 10:50am | Seats (Total: 25)<br>ARC 0204<br>PLS 1119 | Discussion |
| 0102 | David McElhoes<br>MW 11:00am - 11:50am<br>F 12:00pm - 12:50pm | Seats (Total: 25)<br>ARC 0204<br>SKN 1115 | Discussion |
| 0103 | David McElhoes<br>MW 11:00am - 11:50am<br>F 1:00pm - 1:50pm | Seats (Total: 25)<br>ARC 0204<br>PHY 1204 | Discussion |
| 0104 | David McElhoes<br>MW 11:00am - 11:50am<br>F 10:00am - 10:50am | Seats (Total: 25)<br>ARC 0204<br>TWS 0201 | Discussion |
| 0105 | David McElhoes<br>MW 11:00am - 11:50am<br>F 1:00pm - 1:50pm | Seats (Total: 25)<br>ARC 0204<br>HBK 0123 | Discussion |
| 0106 | David McElhoes<br>MW 11:00am - 11:50am<br>F 12:00pm - 12:50pm | Seats (Total: 25)<br>ARC 0204<br>HJP 1125 | Discussion |
| 0107 | David McElhoes<br>MW 11:00am - 11:50am<br>F 10:00am - 10:50am | Seats (Total: 25)<br>ARC 0204<br>HZF 0101 | Discussion |
| 0108 | David McElhoes<br>MW 11:00am - 11:50am<br>F 12:00pm - 12:50pm | Seats (Total: 25)<br>ARC 0204<br>EDU 3233 | Discussion |
| 0109 | David McElhoes<br>MW 11:00am - 11:50am<br>F 1:00pm - 1:50pm | Seats (Total: 25)<br>ARC 0204<br>HBK 1108 | Discussion |

**PHIL209C** **Philosophical Issues: Heated Debates: Philosophy and Climate Change**

**PHIL209C Philosophical Issues: Heated Debates: Philosophy and Climate Change; (3 credits)** Grade Method: REG/P-F/AUD. CORE Interdisciplinary & Emerging Issues (IE) Course.
This course surveys the scientific basics of climate change and ask philosophical questions about climate science, including the following: How do we know whether climate science is accurate? What is the role of values in science? What are our responsibilities toward future generations?

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| 0101 | Mathias Frisch<br>Class time/details on ELMs<br>F 10:00am - 10:50am | Seats (Total: 23)<br>ONLINE<br>BPS 1124 | Discussion |
| 0102 | Mathias Frisch<br>Class time/details on ELMs<br>F 11:00am - 11:50am | Seats (Total: 23)<br>ONLINE<br>BPS 1124 | Discussion |
| 0103 | Mathias Frisch<br>Class time/details on ELMs<br>F 1:00pm - 1:50pm | Seats (Total: 23)<br>ONLINE<br>BPS 1232 | Discussion |

**PHIL209I** **Philosophical Issues: Spooky Action at a Distance: Where Physics meets Metaphysics**

**PHIL209I Philosophical Issues: Spooky Action at a Distance: Where Physics meets Metaphysics; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.
Quantum mechanics has uncovered strange phenomena that suggest the existence of faster-than-light influences. This course investigates whether that is the best way to understand the theory and illustrates how the interplay between scientific and philosophical questions.

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|---|---|---|---|
| 0101 | Allen Stairs<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am | Seats (Total: 34)<br>SQH 1120<br>MMH 3418 | Discussion |
| 0102 | Allen Stairs<br>MW 10:00am - 10:50am<br>F 12:00pm - 12:50pm | Seats (Total: 34)<br>SQH 1120<br>HBK 0105 | Discussion |

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| 0103 | Allen Stairs<br>MW 10:00am - 10:50am<br>F 1:00pm - 1:50pm | Seats (Total: 34)<br>SQH 1120<br>HBK 1112 | <br><br>Discussion |

**PHIL209J** **Philosophical Issues: The Rights and Wrongs of Killing People**

**PHIL209J Philosophical Issues: The Rights and Wrongs of Killing People; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities; Signature Courses - I-Series.
Is it ever permissible to kill an innocent human being intentionally? Why is (unjust) killing wrong? What makes it wrong? What implications doour answers have for war, the beginnings and ends of lives, punishment, saving people from starvation?

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| 0101 | Christopher Morris<br>TuTh 11:00am - 11:50am<br>F 10:00am - 10:50am | Seats (Total: 34)<br>ARM 0126<br>LEF 2166 | <br><br>Discussion |
| 0102 | Christopher Morris<br>TuTh 11:00am - 11:50am<br>F 11:00am - 11:50am | Seats (Total: 34)<br>ARM 0126<br>LEF 2166 | <br><br>Discussion |
| 0103 | Christopher Morris<br>TuTh 11:00am - 11:50am<br>F 1:00pm - 1:50pm | Seats (Total: 34)<br>ARM 0126<br>LEF 2166 | <br><br>Discussion |

**PHIL209M** **Philosophical Issues; Moral Philosophy**
**Contact department for information to register for this course.**

**PHIL209X** **Philosophical Issues; Philosophy of Language and Logic**
**Contact department for information to register for this course.**

**PHIL209Z** **Philosophical Issues; Introduction to Continental Philosophy**
**Contact department for information to register for this course.**

**PHIL233** **Philosophy in Literature**

**PHIL233 Philosophy in Literature; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
Reading and philosophical criticism of fiction, poetry, and drama, dealing with issues of moral, religious, and metaphysical significance.

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| 0101 | Jerrold Levinson<br>MW 11:00am - 11:50am<br>F 10:00am - 10:50am | Seats (Total: 23)<br>TYD 0117<br>ARM 0121 | Discussion |
| 0102 | Jerrold Levinson<br>MW 11:00am - 11:50am<br>F 11:00am - 11:50am | Seats (Total: 23)<br>TYD 0117<br>HJP 1125 | Discussion |
| 0103 | Jerrold Levinson<br>MW 11:00am - 11:50am<br>F 1:00pm - 1:50pm | Seats (Total: 25)<br>TYD 0117<br>LEF 1220 | Discussion |

**PHIL245** **Political and Social Philosophy I**

**PHIL245 Political and Social Philosophy I; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
A critical examination of such classical political theories as those of Plato, Hobbes, Locke, Rousseau, Mill, Marx, and such contemporary theories as those of Hayek, Rawls, and recent Marxist thinkers.

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| 0101 | Dan Moller<br>TuTh 9:30am - 10:20am<br>F 10:00am - 10:50am | Seats (Total: 23)<br>TYD 2109<br>PLS 1117 | Discussion |
| 0102 | Dan Moller<br>TuTh 9:30am - 10:20am<br>F 12:00pm - 12:50pm | Seats (Total: 23)<br>TYD 2109<br>PLS 1111 | Discussion |
| 0103 | Dan Moller<br>TuTh 9:30am - 10:20am<br>F 1:00pm - 1:50pm | Seats (Total: 23)<br>TYD 2109<br>HBK 0105 | Discussion |

**PHIL282** **Free Will & Determinism**

**PHIL282 Free Will & Determinism; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. GenEd: Distributive Studies - Humanities.
A study of the main positions and arguments in the free will debate in contemporary analytic philosophy.

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| 0101 | Patricia Greenspan<br>TuTh 12:30pm - 1:20pm<br>F 10:00am - 10:50am | Seats (Total: 24)<br>TWS 1100<br>ARC 1105 | Discussion |
| 0102 | Patricia Greenspan<br>TuTh 12:30pm - 1:20pm<br>F 11:00am - 11:50am | Seats (Total: 24)<br>TWS 1100<br>EDU 1121 | Discussion |
| 0103 | Patricia Greenspan<br>TuTh 12:30pm - 1:20pm<br>F 1:00pm - 1:50pm | Seats (Total: 23)<br>TWS 1100<br>EDU 3315 | Discussion |

**PHIL308B** **Studies in Contemporary Philosophy; Philosophy and Feminism**

**PHIL308B Studies in Contemporary Philosophy: Philosophy and Feminism; (3 credits)** Grade Method: REG/P-F/AUD.
Addressed are topics in several of the main divisions of Western Philosophy. Investigating how that tradition has suffered as a result of excluding women. How elements of that tradition may, nonetheless, support some feminist goals. How feminist thinking has contributed to the tradition and applications of feminist philosophical insights into issues such as prostituion and workplace policies. We shall also critically consider what it means to adopt a feminist approach to philosophy.

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| 0101 | Susan Dwyer<br>TuTh 9:30am - 10:45am | Seats (Total: 31)<br>SKN 1115 | |

**PHIL308L** **Studies in Contemporary Philosophy; Philosophy of Humor**

**PHIL308L Studies in Contemporary Philosophy: Philosophy of Humor; (3 credits)** Grade Method: REG/P-F/AUD.
A philosophical look at humor and related phenomena as well as ethical issues raised by humor and the social functions of humor. Readings will include Schopenahuer, Bergson, Freud, Koestler, and several recent theorists.

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| 0101 | Jerrold Levinson<br>MW 2:00pm - 3:15pm | Seats (Total: 31)<br>SKN 1115 | |

**PHIL308P** **Studies in Contemporary Philosophy; Art and the Mind**

**PHIL308P Studies in Contemporary Philosophy: Art and the Mind; (3 credits)** Grade Method: REG/P-F/AUD.
An examination of attempts to explain aesthetic experience by reference psychological processes, and of the intersection between aesthetics and psychology.

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| 0101 | Dimiter Kirilov<br>MW 1:00pm - 1:50pm<br>Class time/details on ELMs | Seats (Total: 31)<br>ASY 3207<br>ONLINE | <br><br>Discussion |

**PHIL308Q** **Studies in Contemporary Philosophy; Philosophy of Disability**

**PHIL308Q Studies in Contemporary Philosophy: Philosophy of Disability; (3 credits)** Grade Method: REG/P-F/AUD.
A philosophical examination of cognitive and physical disability. Topics include medical ethics, autonomy and decision-making, defining disability, whether disability is a matter of social construction, and what makes life worth living.

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| 0101 | Elizabeth Picciuto<br>MW 3:30pm - 4:45pm | Seats (Total: 31)<br>KEY 0125 | |

**PHIL308T** **Studies in Contemporary Philosophy; A Philosopher's Toolkit**

**PHIL308T Studies in Contemporary Philosophy: A Philosopher's Toolkit; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|---|
| 0101 | Georges Rey<br>TuTh 11:00am - 12:15pm | Seats (Total: 31)<br>SKN 1112 | |

**PHIL308X** **Studies in Contemporary Philosophy; Philosophy and Race**

**PHIL308X Studies in Contemporary Philosophy: Philosophy and Race; (3 credits)** Grade Method: REG/P-F/AUD.
A philosophical exploration of the idea of race. We will explore whether human races are biological categories and discuss the notions of racial idenitity and racism as they have been understood historically and in co ntemporary society.

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| 0101 | Mark Engelbert<br>TuTh 9:30am - 10:45am | Seats (Total: 31)<br>KEY 0125 | |

**PHIL308Y** **Studies in Contemporary Philosophy; Philosophy and World Religions**
**Contact department for information to register for this course.**

**PHIL320** **Modern Philosophy**

**PHIL320 Modern Philosophy; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: 6 credits in PHIL courses.* A study of major philosophical issues of the 16th, 17th, and 18th centuries through an examination of such philosophers as Descartes, Newton, Hume, and Kant.

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| 0101 | Yu Izumi<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am | Seats (Total: 23)<br>TYD 2109<br>KNI 1105 | <br><br>Discussion |
| 0102 | Yu Izumi<br>MW 10:00am - 10:50am<br>F 12:00pm - 12:50pm | Seats (Total: 23)<br>TYD 2109<br>WDS 1130 | <br><br>Discussion |
| 0103 | Yu Izumi<br>MW 10:00am - 10:50am<br>F 1:00pm - 1:50pm | Seats (Total: 23)<br>TYD 2109<br>WDS 1130 | <br><br>Discussion |

**PHIL324** **Existentialism**

**PHIL324 Existentialism; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: 6 credits in PHIL courses.* A study of authors such as Kierkegaard, Nietzsche, Heidegger, Sarte, and Camus on issues of human morality, freedom, and suffering.

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| 0101 | Christopher Vogel<br>MW 12:00pm - 12:50pm<br>F 10:00am - 10:50am | Seats (Total: 23)<br>TYD 2109<br>COL 0102 | Discussion |
| 0102 | Christopher Vogel<br>MW 12:00pm - 12:50pm<br>F 11:00am - 11:50am | Seats (Total: 23)<br>TYD 2109<br>HBK 0109 | Discussion |
| 0103 | Christopher Vogel<br>MW 12:00pm - 12:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 23)<br>TYD 2109<br>HBK 0108 | Discussion |

**PHIL362** **Theory of Knowledge**

**PHIL362 Theory of Knowledge; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: 6 credits in PHIL courses; and PHIL170. Formerly: PHIL462.* Some central topics in the theory of knowledge, such as perception, memory, knowledge, and belief, skepticism, other minds, truth, and the problems of induction.

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| 0101 | Paul Pietroski<br>TuTh 9:30am - 10:45am | Seats (Total: 31)<br>SKN 1112 |

**PHIL366** **Philosophy of Mind**

**PHIL366 Philosophy of Mind; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: 6 credits in PHIL courses.* An introduction to core issues in the philosophy of mind, focusing especially on the basic metaphysical question of dualism versus physicalism.

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| 0101 | Georges Rey<br>TuTh 2:00pm - 3:15pm | Seats (Total: 31)<br>SKN 1115 |

**PHIL386** **Experiential Learning**

**PHIL386** *(PermReq)* **Experiential Learning; (6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
*Restriction: Permission of ARHU-Philosophy department; and junior standing or higher.* Consult Director of Undergraduate Studies: C. Manekin. Prerequisites: 12 credit hours of philosophy and 3.0 GPA. Carries no credit toward philosophy major.

**Contact department for information to register for this course.**

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**PHIL408J** **Topics in Contemporary Philosophy; Evolution of Language**

**PHIL408J Topics in Contemporary Philosophy: Evolution of Language; (3 credits)** Grade Method: REG/P-F/AUD.
Comparative analysis of several recent cross-disciplinary theories of the evolutionary origins of human language with focus on the philosophical merits of these findings, their implications, and the nature of the enterprise itself.

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|---|---|---|---|
| 0101 | Kent Erickson | Seats (Total: 20) | |
| | TuTh 3:30pm - 4:45pm | KEY 0124 | |

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**PHIL408R** **Topics in Contemporary Philosophy; Rational Choice**

**PHIL408R Topics in Contemporary Philosophy: Rational Choice; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Eric Pacuit | Seats (Total: 25) | |
| | MW 1:00pm - 1:50pm | SKN 1115 | |
| | Class time/details on ELMs | ONLINE | Discussion |

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**PHIL408V** **Topics in Contemporary Philosophy; Philosophy of Friendship**

**PHIL408V Topics in Contemporary Philosophy: Philosophy of Friendship; (3 credits)** Grade Method: REG/P-F/AUD.
An investigation into the nature of friendship with special attention to Aristotle. Topics include the role of friendship in the good life, the obligations of a friend, and the connection between friendship and moral reasoning and development.

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| 0101 | Quinn Harr | Seats (Total: 25) |
| | TuTh 12:30pm - 1:45pm | TYD 2110 |

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**PHIL408Y** **Topics in Contemporary Philosophy; Philosophy of Science II**
**Contact department for information to register for this course.**

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**PHIL408Z** **Topics in Contemporary Philosophy; Metametaphysics**

**PHIL408Z Topics in Contemporary Philosophy: Metametaphysics; (3 credits)**
Grade Method: REG/P-F/AUD.
Metaphysics ask questions about time, causation, the nature of physical objects, and existence itself. Skeptics have offered reasons to think these questions are pointless. This course considers what metaphysicians have to say in response.

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|---|---|---|---|
| 0101 | David McElhoes | Seats (Total: 25) | |
| | MW 12:00pm - 12:50pm<br>Class time/details on ELMs | ASY 3211<br>ONLINE | Discussion |

**PHIL414** **The Philosophy of Aristotle**

**PHIL414 The Philosophy of Aristotle; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: 3 courses in PHIL.* A critical study of selected portions of Aristotle's writings.

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| 0101 | Rachel Singpurwalla | Seats (Total: 25) |
| | TuTh 11:00am - 12:15pm | SKN 1115 |

**PHIL440** **Contemporary Ethical Theory**

**PHIL440 Contemporary Ethical Theory; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: PHIL341; or permission of instructor.* Contemporary work on fundamental problems in ethical theory, such as whether there are moral truths, whether and how our moral claims can be justified, what exactly makes an act right or wrong, the nature of moral language, and the role of reason and emotion in moral judgment.

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| 0101 | Dan Moller | Seats (Total: 25) |
| | TuTh 2:00pm - 3:15pm | LEF 1201 |

**PHIL456** **Philosophy of Biology II**

**PHIL456 Philosophy of Biology II; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: PHIL256 or PHIL250; or must be Life Science major; or permission of ARHU-Philosophy department.* Questions about concepts, reasoning, explanation, etc., in biology, and their relations to those of other areas of science. Case studies of selected aspects of the history of biology, especially in the twentieth century.

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|---|---|---|---|
| 0101 | Lindley Darden | Seats (Total: 25) | |
| | TuTh 12:30pm - 1:45pm | SKN 1115 | |

**PHIL470** **Logical Theory**

**PHIL470 Logical Theory; (3 credits)** Grade Method: REG/P-F.
*Prerequisite: PHIL370; or permission of instructor.* This course will treat a selection of the most important topics in modern logic: alternative proof-theoretic presentations of logical systems, completeness proofs for classical propositional and first-order logic, some basic computability theory, basic limitative results (such as Godel's incompleteness theorems), and some results concerning second-order logic. The primary focus of the course is a study of these fundamental topics, but we will also discuss some of the philosophical issues they raise.

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| 0101 | Eric Pacuit | Seats (Total: 25) | |
| | MW 11:00am - 11:50am | SKN 1115 | |
| | Class time/details on ELMs | ONLINE | Discussion |

**PHIL478** **Topics in Philosophical Logic**

**PHIL478 Topics in Philosophical Logic; (3 credits)** Grade Method: REG/P-F.

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| 0101 | John Horty | Seats (Total: 25) |
| | TuTh 2:00pm - 3:15pm | SKN 1112 |

**PHIL481** **Philosophy of Psychology: Representation**

**PHIL481 Philosophy of Psychology: Representation; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PHIL366 or PHIL280; and 6 credits in PHIL courses.* Semantics and representations within computational framework: intentionality, explicit vs. implicit representation, syntax vs. semantics of thought, connectionist approaches, images, classical vs. prototype theories of concepts.

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| 0101 | Georges Rey | Seats (Total: 25) |
| | M 4:30pm - 7:00pm | SKN 1116 |

**PHIL498F** **Topical Investigations; Topical Investigation**

**PHIL498F** *(PermReq)* **Topical Investigations: Topical Investigation; (1-3 credits)**
Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite:Two courses in philosophy or permission of the department.

**Contact department for information to register for this course.**

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**PHIL498G** **Topical Investigations; Topical Investigation**

**PHIL498G** *(PermReq)* **Topical Investigations: Topical Investigation; (1-3 credits)**
Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite:Two courses in philosophy or permission of the department.

**Contact department for information to register for this course.**

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**PHIL498Z** **Topical Investigations; Realism and Idealism**
**Contact department for information to register for this course.**

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**PHIL640** **Value Theory**

**PHIL640 Value Theory; (3 credits)** Grade Method: REG/AUD.
A basic course in value theory for beginning graduate students, covering a number of topics in depth, to provide a springboard for further study and research in the area.

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| 0101 | Patricia Greenspan | Seats (Total: 20) |
| | Th 3:30pm - 6:00pm | SKN 1116 |

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**PHIL688C** **Selected Problems in Philosophy; Philosophy of Biology II**

**PHIL688C Selected Problems in Philosophy: Philosophy of Biology II; (3 credits)**
Grade Method: REG/AUD.

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| 0101 | Lindley Darden | Seats (Total: 5) |
| | TuTh 12:30pm - 1:45pm | SKN 1115 |

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**PHIL788** **Research in Philosophy**

**PHIL788 Research in Philosophy; (1-6 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | John Brown | Seats (Total: 10) |
| | Contact instructor or department for details. | |

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| 0201 | Jeffrey Bub<br>Contact instructor or department for details. | Seats (Total: 10) |
| 0301 | Peter Carruthers<br>Contact instructor or department for details. | Seats (Total: 10) |
| 0401 | Christopher Cherniak<br>Contact instructor or department for details. | Seats (Total: 10) |
| 0501 | Lindley Darden<br>Contact instructor or department for details. | Seats (Total: 10) |
| 0601 | Mathias Frisch<br>Contact instructor or department for details. | Seats (Total: 10) |
| 0701 | Patricia Greenspan<br>Contact instructor or department for details. | Seats (Total: 10) |
| 0801 | John Horty<br>Contact instructor or department for details. | Seats (Total: 10) |
| 0901 | Samuel Kerstein<br>Contact instructor or department for details. | Seats (Total: 10) |
| 1001 | Erin Eaker<br>Contact instructor or department for details. | Seats (Total: 10) |
| 1101 | Jerrold Levinson<br>Contact instructor or department for details. | Seats (Total: 10) |
| 1201 | Dan Moller<br>Contact instructor or department for details. | Seats (Total: 10) |
| 1301 | Charles Manekin<br>Contact instructor or department for details. | Seats (Total: 10) |
| 1401 | Susan Dwyer<br>Contact instructor or department for details. | Seats (Total: 10) |
| 1501 | Michael Morreau<br>Contact instructor or department for details. | Seats (Total: 10) |
| 1601 | Eric Pacuit<br>Contact instructor or department for details. | Seats (Total: 10) |

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|---|---|---|
| 1701 | Alexander Williams<br>Contact instructor or department for details. | Seats (Total: 10) |
| 1801 | Georges Rey<br>Contact instructor or department for details. | Seats (Total: 10) |
| 1901 | Andrew Levine<br>Contact instructor or department for details. | Seats (Total: 10) |
| 2001 | Allen Stairs<br>Contact instructor or department for details. | Seats (Total: 10) |
| 2101 | Rachel Singpurwalla<br>Contact instructor or department for details. | Seats (Total: 15) |
| 2201 | Lars Svenonius<br>Contact instructor or department for details. | Seats (Total: 10) |
| 2301 | Aidan Lyon<br>Contact instructor or department for details. | Seats (Total: 10) |
| 2501 | Paul Pietroski<br>Contact instructor or department for details. | Seats (Total: 10) |
| 2701 | Christopher Morris<br>Contact instructor or department for details. | Seats (Total: 10) |

**PHIL788G** **Research in Philosophy; Research in Philosophy**

**PHIL788G** *(PermReq)* **Research in Philosophy: Research in Philosophy; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**PHIL788I** **Research in Philosophy; Research in Philosophy**

**PHIL788I** *(PermReq)* **Research in Philosophy: Research in Philosophy; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**PHIL799** **Master's Thesis Research; Masters Thesis Research**

**PHIL799 Master's Thesis Research: Masters Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**PHIL808W** **Seminar in the Problems of Philosophy**

**PHIL808W Seminar in the Problems of Philosophy; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Alexander Williams<br>M 2:00pm - 4:30pm | Seats (Total: 15)<br>SKN 1116 |

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**PHIL828B** **Seminar in the History of Philosophy**

**PHIL828B Seminar in the History of Philosophy; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Rachel Singpurwalla<br>Tu 2:00pm - 4:30pm | Seats (Total: 15)<br>SKN 1116 |

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**PHIL848K** **Seminar in Ethics**

**PHIL848K Seminar in Ethics; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Samuel Kerstein<br>W 1:00pm - 3:30pm | Seats (Total: 15)<br>SKN 1116 |

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**PHIL858D** **Seminar in Logic and Philosophy of Sciences**

**PHIL858D Seminar in Logic and Philosophy of Sciences; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Lindley Darden<br>Tu 4:30pm - 7:00pm | Seats (Total: 15)<br>SKN 1115 |

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**PHIL888** **Professional Mentoring for Doctoral Students**

**PHIL888 Professional Mentoring for Doctoral Students; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**PHIL889** **Pedagogical Mentoring for Doctoral Students**

**PHIL889** *(PermReq)* **Pedagogical Mentoring for Doctoral Students; (1-3 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**PHIL898** **Pre-Candidacy Research**

**PHIL898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**PHIL899** **Doctoral Dissertation Research; Doctoral Dissertation Research**

**PHIL899** *(PermReq)* **Doctoral Dissertation Research: Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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# PHYS Physics Spring 2013

**PHYS104** **How Things Work: Science Foundations**

**PHYS104 How Things Work: Science Foundations; (3 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences.
*Prerequisite: Must have math eligibility of MATH110 or higher. Restriction: Must not have completed PHYS121; and students who have completed PHYS121 or any higher PHYS course may contact the department for permission to take the course.* This is a course with a non-mathematical emphasis designed to study the basics of mechanical, electrical, and optical devices that are commonly found in the world around us. The general approach would be to look inside things to observe how they work.

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| 0101 | Theodore Jacobson<br>TuTh 12:30pm - 1:45pm | Seats (Total: 44)<br>PHY 0405 | |

**PHYS105** **Physics for Decision Makers: Global Energy Crisis**

**PHYS105 Physics for Decision Makers: Global Energy Crisis; (3 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences; Signature Courses - I-Series.
This marquee course will consider the global energy crisis from a scientific perspective. Topics include basic laws of energy and thermodynamics, their effects on energy production and distribution, greenhouse gas, global warming and policy options for decision makers. This course is aimed at the non-science major.
***A Marquee Science and Technology Course designed for Non-Science Majors: http://www.marqueecourses.umd.edu/**** Click here for more Marquee course information.

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|---|---|---|---|
| 0101 | Jordan Goodman<br>MW 4:15pm - 5:30pm<br>M 12:00pm - 12:50pm | Seats (Total: 12)<br>PHY 1410<br>MTH 0401 | <br><br>Discussion |
| 0102 | Jordan Goodman<br>MW 4:15pm - 5:30pm<br>M 1:00pm - 1:50pm | Seats (Total: 12)<br>PHY 1410<br>PHY 0405 | <br><br>Discussion |
| 0103 | Jordan Goodman<br>MW 4:15pm - 5:30pm<br>F 12:00pm - 12:50pm | Seats (Total: 12)<br>PHY 1410<br>PHY 1219 | <br><br>Discussion |
| 0105 | Jordan Goodman<br>MW 4:15pm - 5:30pm<br>F 3:00pm - 3:50pm | Seats (Total: 12)<br>PHY 1410<br>PHY 1219 | <br><br>Discussion |

**PHYS106** **Light, Perception, Photography, and Visual Phenomena**

**PHYS106 Light, Perception, Photography, and Visual Phenomena; (3 credits)**
Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab(if taken with PHYS107).
Intended for the general student, this course will cover topics in optics which require minimal use of mathematics. Principles of optics, lenses, cameras, lasers and holography, physics of the eye, color vision and various visual phenomena such as rainbows.

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| 0101 | Alan Peel<br>MWF 2:00pm - 2:50pm | Seats (Total: 155)<br>PHY 1410 | |

**PHYS107** **Light, Perception, Photography and Visual Phenomena Laboratory**

**PHYS107 Light, Perception, Photography and Visual Phenomena Laboratory; (1 credit)** Grade Method: REG/P-F/AUD.
Optional laboratory to accompany PHYS106. Laboratory experiments include geometrical optics (lenses, cameras, eye), optical instruments (telescope, binoculars), photography, perception, color phenomena, and wave phenomena.

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| 0101 | Frederick Wellstood<br>M 3:00pm - 4:50pm | Seats (Total: 24)<br>PHY 3214 | Lab |
| 0301 | Frederick Wellstood<br>Tu 1:00pm - 2:50pm | Seats (Total: 24)<br>PHY 3214 | Lab |
| 0501 | Frederick Wellstood<br>W 3:00pm - 4:50pm | Seats (Total: 24)<br>PHY 3214 | Lab |

**PHYS111** **Physics in the Modern World**
**Contact department for information to register for this course.**

**PHYS115** **Inquiry into Physics**

**PHYS115 Inquiry into Physics; (4 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course. GenEd: Distributive Studies - Natural Science Lab. *Recommended: High School Physics. Restriction: Must not have completed PHYS117; and must be in one of the following programs (Elementary Education; Early Childhood Education). Credit only granted for: PHYS115 or PHYS117.* Intended for students majoring in neither the physical nor the biological sciences. Use of laboratory-based and inquiry-based methods to study some of the basic ideas of physical sciences.

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| 0101 | Kerstin Nordstrom<br>MTuW 2:00pm - 3:50pm | Seats (Total: 24)<br>PHY 3316 | |
| 0201 | Vashti Sawtelle<br>MTuW 10:00am - 11:50am | Seats (Total: 24)<br>PHY 3316 | |

**PHYS121** **Fundamentals of Physics I**

**PHYS121 Fundamentals of Physics I; (4 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course. GenEd: Distributive Studies - Natural Science Lab.
*Prerequisite: MATH112 or MATH115. Credit only granted for: PHYS121 or PHYS131.* The first part of a two-semester course in general physics treating the fields of mechanics, heat, sound, electricity, magnetism, optics, and modern physics. Together with PHYS122, this generally satisfies the minimum requirement of medical and dental schools. Physics Clinic, PHY 1214, MTWHF 12,2. If purchasing used books additional software may be required.

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| 0101 | Arthur La Porta<br>TuTh 11:00am - 12:15pm<br>Th 9:00am - 10:50am<br>Th 8:00am - 8:50am | Seats (Total: 26)<br>PHY 1410<br>PHY 3306<br>PHY 1219 | <br><br>Lab<br>Discussion |
| 0102 | Arthur La Porta<br>TuTh 11:00am - 12:15pm<br>Tu 9:00am - 10:50am<br>Tu 8:00am - 8:50am | Seats (Total: 26)<br>PHY 1410<br>PHY 3306<br>PHY 1219 | <br><br>Lab<br>Discussion |

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|---|---|---|---|
| 0103 | Arthur La Porta | Seats (Total: 26) | |
| | TuTh 11:00am - 12:15pm | PHY 1410 | |
| | Th 2:00pm - 3:50pm | PHY 3306 | Lab |
| | Th 1:00pm - 1:50pm | PHY 1219 | Discussion |
| 0104 | Arthur La Porta | Seats (Total: 26) | |
| | TuTh 11:00am - 12:15pm | PHY 1410 | |
| | M 1:00pm - 2:50pm | PHY 3306 | Lab |
| | M 12:00pm - 12:50pm | PHY 1402 | Discussion |
| 0105 | Arthur La Porta | Seats (Total: 26) | |
| | TuTh 11:00am - 12:15pm | PHY 1410 | |
| | W 12:00pm - 1:50pm | PHY 3306 | Lab |
| | W 11:00am - 11:50am | PHY 1402 | Discussion |
| 0106 | Arthur La Porta | Seats (Total: 26) | |
| | TuTh 11:00am - 12:15pm | PHY 1410 | |
| | M 9:00am - 10:50am | PHY 3306 | Lab |
| | M 8:00am - 8:50am | PHY 1219 | Discussion |
| 0201 | Sergio Picozzi | Seats (Total: 26) | |
| | MWF 1:00pm - 1:50pm | PHY 1410 | |
| | W 10:00am - 11:50am | PHY 3306 | Lab |
| | W 9:00am - 9:50am | PHY 1204 | Discussion |
| 0202 | Sergio Picozzi | Seats (Total: 26) | |
| | MWF 1:00pm - 1:50pm | PHY 1410 | |
| | W 3:00pm - 4:50pm | PHY 3306 | Lab |
| | W 2:00pm - 2:50pm | PHY 1402 | Discussion |
| 0203 | Sergio Picozzi | Seats (Total: 26) | |
| | MWF 1:00pm - 1:50pm | PHY 1410 | |
| | M 3:00pm - 4:50pm | PHY 3306 | Lab |
| | M 2:00pm - 2:50pm | PHY 1402 | Discussion |
| 0204 | Sergio Picozzi | Seats (Total: 26) | |
| | MWF 1:00pm - 1:50pm | PHY 1410 | |
| | Tu 3:00pm - 4:50pm | PHY 3306 | Lab |
| | Tu 2:00pm - 2:50pm | PHY 1219 | Discussion |

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|---|---|---|---|
| 0205 | Sergio Picozzi | Seats (Total: 26) | |
| | MWF 1:00pm - 1:50pm | PHY 1410 | |
| | W 5:00pm - 6:50pm | PHY 3306 | Lab |
| | M 5:00pm - 5:50pm | PHY 1402 | Discussion |
| 0206 | Sergio Picozzi | Seats (Total: 26) | |
| | MWF 1:00pm - 1:50pm | PHY 1410 | |
| | M 5:00pm - 6:50pm | PHY 3306 | Lab |
| | M 4:00pm - 4:50pm | MTH 0403 | Discussion |
| 0301 | Sergio Picozzi | Seats (Total: 26) | |
| | MWF 3:00pm - 3:50pm | PHY 1410 | |
| | M 11:00am - 12:50pm | PHY 3306 | Lab |
| | M 10:00am - 10:50am | PLS 1113 | Discussion |
| 0302 | Sergio Picozzi | Seats (Total: 26) | |
| | MWF 3:00pm - 3:50pm | PHY 1410 | |
| | Tu 1:00pm - 2:50pm | PHY 3306 | Lab |
| | Tu 12:00pm - 12:50pm | PHY 1204 | Discussion |
| 0303 | Sergio Picozzi | Seats (Total: 26) | |
| | MWF 3:00pm - 3:50pm | PHY 1410 | |
| | Th 12:00pm - 1:50pm | PHY 3306 | Lab |
| | Th 11:00am - 11:50am | PHY 1204 | Discussion |
| 0304 | Sergio Picozzi | Seats (Total: 26) | |
| | MWF 3:00pm - 3:50pm | PHY 1410 | |
| | Th 4:00pm - 5:50pm | PHY 3306 | Lab |
| | Th 3:00pm - 3:50pm | MTH 0405 | Discussion |
| 0401 | Sergio Picozzi | Seats (Total: 26) | |
| | Tu 7:00pm - 8:50pm | PHY 1201 | |
| | Th 7:00pm - 7:50pm | PHY 1201 | |
| | Tu 5:00pm - 6:50pm | PHY 3306 | Lab |
| | Th 8:00pm - 8:50pm | PHY 1219 | Discussion |
| 0402 | Sergio Picozzi | Seats (Total: 7) | |
| | Tu 7:00pm - 8:50pm | PHY 1201 | |
| | Th 7:00pm - 7:50pm | PHY 1201 | |
| | Th 8:00pm - 9:50pm | PHY 3306 | Lab |
| | Tu 9:00pm - 9:50pm | PHY 1219 | Discussion |

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| SES1 | Sergio Picozzi<br>Tu 7:00pm - 8:50pm<br>Th 7:00pm - 7:50pm<br>Th 8:00pm - 9:50pm<br>Tu 9:00pm - 9:50pm<br>*This section is retricted to SIE majors only.* | Seats (Total: 17)<br>PHY 1201<br>PHY 1201<br>PHY 3306<br>PHY 1219 | <br><br><br>Lab<br>Discussion |

**PHYS122** **Fundamentals of Physics II**

**PHYS122 Fundamentals of Physics II; (4 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course. GenEd: Distributive Studies - Natural Science Lab.
*Prerequisite: PHYS121; or students who have taken courses with comparable content may contact the department.* A continuation of PHYS121, which together with it, generally satisfies the minimum requirement of medical and dental schools. Physics Clinic, PHY 1214, MTWHF 11,2. If purchasing used books additional software may be required.

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| 0101 | Sergio Picozzi<br>MWF 10:00am - 10:50am<br>M 12:00pm - 1:50pm<br>M 11:00am - 11:50am | Seats (Total: 24)<br>PHY 1412<br>PHY 3312<br>PHY 3301 | <br><br>Lab<br>Discussion |
| 0102 | Sergio Picozzi<br>MWF 10:00am - 10:50am<br>W 12:00pm - 1:50pm<br>W 11:00am - 11:50am | Seats (Total: 24)<br>PHY 1412<br>PHY 3312<br>PHY 3301 | <br><br>Lab<br>Discussion |
| 0103 | Sergio Picozzi<br>MWF 10:00am - 10:50am<br>Tu 12:00pm - 1:50pm<br>Tu 11:00am - 11:50am | Seats (Total: 24)<br>PHY 1412<br>PHY 3312<br>PHY 3301 | <br><br>Lab<br>Discussion |
| 0104 | Sergio Picozzi<br>MWF 10:00am - 10:50am<br>Tu 2:00pm - 3:50pm<br>Tu 1:00pm - 1:50pm | Seats (Total: 24)<br>PHY 1412<br>PHY 3312<br>PHY 3301 | <br><br>Lab<br>Discussion |

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|---|---|---|---|
| 0105 | Sergio Picozzi | Seats (Total: 24) | |
| | MWF 10:00am - 10:50am | PHY 1412 | |
| | W 2:00pm - 3:50pm | PHY 3312 | Lab |
| | W 1:00pm - 1:50pm | PHY 3301 | Discussion |
| 0106 | Sergio Picozzi | Seats (Total: 24) | |
| | MWF 10:00am - 10:50am | PHY 1412 | |
| | Th 8:00am - 9:50am | PHY 3312 | Lab |
| | W 2:00pm - 2:50pm | PHY 3301 | Discussion |
| 0201 | Sharon Roosevelt | Seats (Total: 24) | |
| | TuTh 12:30pm - 1:45pm | PHY 1410 | |
| | Tu 10:00am - 11:50am | PHY 3312 | Lab |
| | Tu 9:00am - 9:50am | PHY 3301 | Discussion |
| 0202 | Sharon Roosevelt | Seats (Total: 23) | |
| | TuTh 12:30pm - 1:45pm | PHY 1410 | |
| | W 4:00pm - 5:50pm | PHY 3312 | Lab |
| | W 3:00pm - 3:50pm | PHY 3301 | Discussion |
| 0203 | Sharon Roosevelt | Seats (Total: 24) | |
| | TuTh 12:30pm - 1:45pm | PHY 1410 | |
| | M 4:00pm - 5:50pm | PHY 3312 | Lab |
| | M 3:00pm - 3:50pm | PHY 3301 | Discussion |
| 0204 | Sharon Roosevelt | Seats (Total: 24) | |
| | TuTh 12:30pm - 1:45pm | PHY 1410 | |
| | W 9:00am - 10:50am | PHY 3312 | Lab |
| | W 8:00am - 8:50am | PHY 3301 | Discussion |
| 0205 | Sharon Roosevelt | Seats (Total: 24) | |
| | TuTh 12:30pm - 1:45pm | PHY 1410 | |
| | Th 3:00pm - 4:50pm | PHY 3312 | Lab |
| | Th 2:00pm - 2:50pm | PHY 3301 | Discussion |
| 0301 | Sergio Picozzi | Seats (Total: 24) | |
| | MWF 9:00am - 9:50am | PHY 1410 | |
| | Th 10:00am - 11:50am | PHY 3312 | Lab |
| | Th 9:00am - 9:50am | PHY 3301 | Discussion |

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| 0302 | Sergio Picozzi | Seats (Total: 24) | |
| | MWF 9:00am - 9:50am | PHY 1410 | |
| | Th 12:00pm - 1:50pm | PHY 3312 | Lab |
| | Th 11:00am - 11:50am | PHY 3301 | Discussion |
| 0303 | Sergio Picozzi | Seats (Total: 24) | |
| | MWF 9:00am - 9:50am | PHY 1410 | |
| | M 2:00pm - 3:50pm | PHY 3312 | Lab |
| | M 1:00pm - 1:50pm | PHY 3301 | Discussion |
| 0304 | Sergio Picozzi | Seats (Total: 24) | |
| | MWF 9:00am - 9:50am | PHY 1410 | |
| | M 10:00am - 11:50am | PHY 3312 | Lab |
| | W 4:00pm - 4:50pm | PHY 3301 | Discussion |
| 0501 | David Buehrle | Seats (Total: 24) | |
| | Tu 7:00pm - 8:50pm | PHY 1410 | |
| | Th 7:00pm - 7:50pm | PHY 1410 | |
| | W 6:00pm - 7:50pm | PHY 3312 | Lab |
| | W 5:00pm - 5:50pm | PHY 3301 | Discussion |
| 0502 | David Buehrle | Seats (Total: 24) | |
| | Tu 7:00pm - 8:50pm | PHY 1410 | |
| | Th 7:00pm - 7:50pm | PHY 1410 | |
| | Tu 5:00pm - 6:50pm | PHY 3312 | Lab |
| | Tu 4:00pm - 4:50pm | PHY 3301 | Discussion |
| 0503 | David Buehrle | Seats (Total: 24) | |
| | Tu 7:00pm - 8:50pm | PHY 1410 | |
| | Th 7:00pm - 7:50pm | PHY 1410 | |
| | M 7:00pm - 8:50pm | PHY 3312 | Lab |
| | M 5:00pm - 5:50pm | PHY 3301 | Discussion |
| 0504 | David Buehrle | Seats (Total: 24) | |
| | Tu 7:00pm - 8:50pm | PHY 1410 | |
| | Th 7:00pm - 7:50pm | PHY 1410 | |
| | W 8:00pm - 9:50pm | PHY 3312 | Lab |
| | W 7:00pm - 7:50pm | PHY 3301 | Discussion |

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| 0505 | David Buehrle | Seats (Total: 3) | |
| | Tu 7:00pm - 8:50pm | PHY 1410 | |
| | Th 7:00pm - 7:50pm | PHY 1410 | |
| | Th 8:00pm - 9:50pm | PHY 3312 | Lab |
| | Tu 9:00pm - 9:50pm | PHY 1402 | Discussion |
| SES1 | David Buehrle | Seats (Total: 21) | |
| | Tu 7:00pm - 8:50pm | PHY 1410 | |
| | Th 7:00pm - 7:50pm | PHY 1410 | |
| | Th 8:00pm - 9:50pm | PHY 3312 | Lab |
| | Tu 9:00pm - 9:50pm | PHY 1402 | Discussion |
| SG91 | George Sherwood | Seats (Total: 24) | |
| | TuTh 9:30am - 10:45am | BLD2 3062 | |
| | F 2:00pm - 4:50pm | Location: TBA | Lab |
| | F 1:00pm - 1:50pm | Location: TBA | Discussion |
| | *Registration is restricted to Biological Sciences- Shady Grove majors. Permission is required for UMCP undergraduate students to enroll in courses at Shady Grove. Please email usgbiosci@umd.edu for permission. Friday Lab meets at Rockville Campus, Montgomery County.* | | |

**PHYS132** **Fundamentals of Physics for Biologists II**

**PHYS132 Fundamentals of Physics for Biologists II; (4 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PHYS131; or students who have taken courses with comparable content may contact the department. Credit only granted for: PHYS122 or PHYS132.* The second part of a two-semester course in general physics specifically oriented towards applications relevant for students in biology and pre-medical programs. The course covers basic statistical physics, electricity and magnetism, and optics done in authentic biological contexts.

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|---|---|---|---|
| 0101 | Edward Redish | Seats (Total: 24) | |
| | MWF 10:00am - 10:50am | PHY 1219 | |
| | Tu 10:00am - 11:50am | PHY 3310 | Lab |
| | Tu 9:00am - 9:50am | PHY 3310 | Discussion |
| 0201 | Wolfgang Losert | Seats (Total: 24) | |
| | MWF 11:00am - 11:50am | PHY 1219 | |
| | Tu 2:00pm - 3:50pm | PHY 3310 | Lab |
| | Tu 1:00pm - 1:50pm | PHY 3310 | Discussion |

**PHYS142** **Principles of Physics**

**PHYS142 Principles of Physics; (4 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science Lab (PL) Course. GenEd: Distributive Studies - Natural Science Lab. *Prerequisite: PHYS141; or students who have taken courses with comparable content may contact the department. Credit only granted for: PHYS142, (PHYS260 and PHYS261), or PHYS272.* A continuation of PHYS141 covering waves, electricity and magnetism, optics and modern physics. Physics Clinic, PHY 1214, MTWHF 10,12. If purchasing used books additional software may be required.

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|---|---|---|---|
| 0101 | Rabindra Mohapatra | Seats (Total: 23) | |
| | MWF 11:00am - 11:50am | PHY 1201 | |
| | M 1:00pm - 2:50pm | PHY 3314 | Lab |
| | M 12:00pm - 12:50pm | MTH 0104 | Discussion |
| 0102 | Rabindra Mohapatra | Seats (Total: 23) | |
| | MWF 11:00am - 11:50am | PHY 1201 | |
| | M 3:00pm - 4:50pm | PHY 3314 | Lab |
| | M 2:00pm - 2:50pm | MTH 0405 | Discussion |
| 0103 | Rabindra Mohapatra | Seats (Total: 22) | |
| | MWF 11:00am - 11:50am | PHY 1201 | |
| | Tu 1:00pm - 2:50pm | PHY 3314 | Lab |
| | Tu 12:00pm - 12:50pm | COL 0102 | Discussion |

**PHYS161** **General Physics: Mechanics and Particle Dynamics**

**PHYS161 General Physics: Mechanics and Particle Dynamics; (3 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences.
*Prerequisite: Must have completed or be concurrently enrolled in MATH141. Credit only granted for: PHYS141, PHYS161, or PHYS171.* First semester of a three-semester calculus-based general physics course. Laws of motion, force, and energy; principles of mechanics, collisions, linear momentum, rotation, and gravitation. Physics Clinic, PHY 1214, MTWHF 11, 1, 2. If purchasing used books additional software may be required.

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|---|---|---|---|
| 0101 | Andris Skuja | Seats (Total: 30) | |
| | TuTh 2:00pm - 3:15pm | PHY 1412 | |
| | M 9:00am - 9:50am | PHY 1219 | Discussion |

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|---|---|---|---|
| 0102 | Andris Skuja<br>TuTh 2:00pm - 3:15pm<br>W 4:00pm - 4:50pm | Seats (Total: 30)<br>PHY 1412<br>MTH 0105 | Discussion |
| 0103 | Andris Skuja<br>TuTh 2:00pm - 3:15pm<br>F 9:00am - 9:50am | Seats (Total: 30)<br>PHY 1412<br>PHY 1219 | Discussion |
| 0104 | Andris Skuja<br>TuTh 2:00pm - 3:15pm<br>Th 11:00am - 11:50am | Seats (Total: 30)<br>PHY 1412<br>PHY 0405 | Discussion |
| 0105 | Andris Skuja<br>TuTh 2:00pm - 3:15pm<br>M 9:00am - 9:50am | Seats (Total: 30)<br>PHY 1412<br>PHY 1204 | Discussion |
| 0106 | Andris Skuja<br>TuTh 2:00pm - 3:15pm<br>M 3:00pm - 3:50pm | Seats (Total: 30)<br>PHY 1412<br>MTH 0304 | Discussion |
| 0107 | Andris Skuja<br>TuTh 2:00pm - 3:15pm<br>M 4:00pm - 4:50pm | Seats (Total: 30)<br>PHY 1412<br>MTH 0101 | Discussion |
| 0108 | Andris Skuja<br>TuTh 2:00pm - 3:15pm<br>W 4:00pm - 4:50pm | Seats (Total: 30)<br>PHY 1412<br>PHY 1219 | Discussion |
| 0109 | Andris Skuja<br>TuTh 2:00pm - 3:15pm<br>M 4:00pm - 4:50pm | Seats (Total: 30)<br>PHY 1412<br>PHY 1219 | Discussion |
| 0110 | Andris Skuja<br>TuTh 2:00pm - 3:15pm<br>M 3:00pm - 3:50pm | Seats (Total: 30)<br>PHY 1412<br>PHY 1204 | Discussion |
| 0301 | Darayash Tata<br>MWF 2:00pm - 2:50pm<br>Tu 3:00pm - 3:50pm | Seats (Total: 30)<br>PHY 1412<br>MTH B0427 | Discussion |

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| 0302 | Darayash Tata<br>MWF 2:00pm - 2:50pm<br>Tu 4:00pm - 4:50pm | Seats (Total: 30)<br>PHY 1412<br>PHY 1204 | <br><br>Discussion |
| 0303 | Darayash Tata<br>MWF 2:00pm - 2:50pm<br>Th 4:00pm - 4:50pm | Seats (Total: 30)<br>PHY 1412<br>PHY 1219 | <br><br>Discussion |
| 0304 | Darayash Tata<br>MWF 2:00pm - 2:50pm<br>F 10:00am - 10:50am | Seats (Total: 30)<br>PHY 1412<br>MTH 0101 | <br><br>Discussion |
| 0305 | Darayash Tata<br>MWF 2:00pm - 2:50pm<br>F 11:00am - 11:50am | Seats (Total: 30)<br>PHY 1412<br>MTH 0304 | <br><br>Discussion |
| 0306 | Darayash Tata<br>MWF 2:00pm - 2:50pm<br>F 11:00am - 11:50am | Seats (Total: 30)<br>PHY 1412<br>PHY 1204 | <br><br>Discussion |
| 0307 | Darayash Tata<br>MWF 2:00pm - 2:50pm<br>Th 3:00pm - 3:50pm | Seats (Total: 30)<br>PHY 1412<br>PHY 1204 | <br><br>Discussion |
| 0308 | Darayash Tata<br>MWF 2:00pm - 2:50pm<br>Tu 4:00pm - 4:50pm | Seats (Total: 30)<br>PHY 1412<br>PHY 1219 | <br><br>Discussion |
| 0309 | Darayash Tata<br>MWF 2:00pm - 2:50pm<br>Th 4:00pm - 4:50pm | Seats (Total: 30)<br>PHY 1412<br>PHY 1204 | <br><br>Discussion |
| 0401 | Giridhar Nandikotkur<br>M 7:00pm - 8:50pm<br>W 7:00pm - 7:50pm<br>W 8:00pm - 8:50pm | Seats (Total: 30)<br>PHY 1410<br>PHY 1410<br>PHY 1219 | <br><br><br>Discussion |
| 0402 | Giridhar Nandikotkur<br>M 7:00pm - 8:50pm<br>W 7:00pm - 7:50pm<br>W 6:00pm - 6:50pm | Seats (Total: 30)<br>PHY 1410<br>PHY 1410<br>PHY 1219 | <br><br><br>Discussion |

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| 0403 | Giridhar Nandikotkur<br>M 7:00pm - 8:50pm<br>W 7:00pm - 7:50pm<br>M 6:00pm - 6:50pm | Seats (Total: 30)<br>PHY 1410<br>PHY 1410<br>PHY 1219 | <br><br><br>Discussion |
| 0404 | Giridhar Nandikotkur<br>M 7:00pm - 8:50pm<br>W 7:00pm - 7:50pm<br>M 5:00pm - 5:50pm | Seats (Total: 30)<br>PHY 1410<br>PHY 1410<br>PHY 1204 | <br><br><br>Discussion |
| 0405 | Giridhar Nandikotkur<br>M 7:00pm - 8:50pm<br>W 7:00pm - 7:50pm<br>Tu 7:00pm - 7:50pm | Seats (Total: 30)<br>PHY 1410<br>PHY 1410<br>PHY 1219 | <br><br><br>Discussion |

**PHYS165** **Introduction to Programming in the Physical Sciences**

**PHYS165 Introduction to Programming in the Physical Sciences; (3 credits)**
Grade Method: REG/P-F/AUD.
*Prerequisite: PHYS171, PHYS141, or PHYS161; or must have scored 3 or higher on AP PHYS exam.* Introduction to programming using examples in the physical sciences. Provides instruction in the techniques of upper-level languages such as Fortran, C, and Pascal, as well as an introduction to the object oriented programming techniques used in Python, C++ and Java. Includes strong component of visualization and graphing.

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|---|---|---|---|
| 0101 | Michelle Girvan<br>MWF 10:00am - 10:50am | Seats (Total: 31)<br>PLS 1129 | |

**PHYS171** **Introductory Physics: Mechanics and Relativity**

**PHYS171 Introductory Physics: Mechanics and Relativity; (3 credits)** Grade Method: REG/P-F/AUD. CORE Physical Science (PS) Course. GenEd: Distributive Studies - Natural Sciences.
*Prerequisite: (MATH140; and a high school physics course); or permission of CMNS-Physics department. And must have completed or be concurrently enrolled in MATH141. Credit only granted for: PHYS141, PHYS161, or PHYS171.* First semester of a three semester sequence for physics majors and those desiring a rigorous preparation in the physical sciences: kinematics, Newton's laws, energy and work, linear and angular momenta, temperature and pressure, ideal gas law, and special relativity.

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|---|---|---|---|
| 0101 | Ki-Yong Kim | Seats (Total: 50) | |
| | MF 10:00am - 10:50am | PHY 1204 | |
| | TuTh 10:00am - 10:50am | PHY 1204 | |

**PHYS174** **Physics Laboratory Introduction**

**PHYS174 Physics Laboratory Introduction; (1 credit)** Grade Method: REG/P-F/AUD.
*Corequisite: MATH140. Recommended: High school physics.* Introduces students to the techniques of data gathering and analysis. This course will lay a foundation for higher-level labs in physics and the physical sciences. Students will learn to use laboratory equipment such as calipers, meters, oscilloscopes, and computer interfaces. Techniques of measurement and error analysis will be presented. Students will be taught to use the computer for data analysis with an emphasis on using spreadsheets.

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|---|---|---|---|
| 0301 | Xiangdong Ji | Seats (Total: 26) | |
| | W 1:00pm - 2:50pm | PHY 3115 | Lab |
| 0401 | Xiangdong Ji | Seats (Total: 26) | |
| | Th 11:00am - 12:50pm | PHY 3115 | Lab |
| 0501 | Xiangdong Ji | Seats (Total: 26) | |
| | Th 2:00pm - 3:50pm | PHY 3115 | Lab |

**PHYS260** **General Physics: Vibration, Waves, Heat, Electricity and Magnetism**

**PHYS260 General Physics: Vibration, Waves, Heat, Electricity and Magnetism; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab(if taken with PHYS261).
*Prerequisite: PHYS161 and MATH141. Corequisite: PHYS261. Credit only granted for: PHYS142, (PHYS260 and PHYS261), or PHYS272.* Second semester of a three-semester calculus-based general physics course. Vibrations, waves, fluids; heat, kinetic theory, and thermodynamics; electrostatics, circuits, and magnetism. PHYS260 and PHYS261 must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS260 and PHYS261. If purchasing used books additional software may be required.

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|---|---|---|---|
| 0201 | Richard Ellis<br>TuTh 12:30pm - 1:45pm<br>Tu 11:00am - 11:50am | Seats (Total: 31)<br>PHY 1412<br>PHY 0405 | <br><br>Discussion |
| 0202 | Richard Ellis<br>TuTh 12:30pm - 1:45pm<br>W 8:00am - 8:50am | Seats (Total: 31)<br>PHY 1412<br>PHY 0405 | <br><br>Discussion |
| 0203 | Richard Ellis<br>TuTh 12:30pm - 1:45pm<br>W 9:00am - 9:50am | Seats (Total: 31)<br>PHY 1412<br>PHY 1219 | <br><br>Discussion |
| 0204 | Richard Ellis<br>TuTh 12:30pm - 1:45pm<br>F 8:00am - 8:50am | Seats (Total: 31)<br>PHY 1412<br>PHY 1204 | <br><br>Discussion |
| 0205 | Richard Ellis<br>TuTh 12:30pm - 1:45pm<br>Tu 4:00pm - 4:50pm | Seats (Total: 31)<br>PHY 1412<br>MTH 0101 | <br><br>Discussion |
| 0206 | Richard Ellis<br>TuTh 12:30pm - 1:45pm<br>F 9:00am - 9:50am | Seats (Total: 31)<br>PHY 1412<br>PHY 1204 | <br><br>Discussion |
| 0301 | Michael Rapport<br>MWF 3:00pm - 3:50pm<br>M 12:00pm - 12:50pm | Seats (Total: 31)<br>PHY 1412<br>MTH 0302 | <br><br>Discussion |

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|---|---|---|---|
| 0302 | Michael Rapport<br>MWF 3:00pm - 3:50pm<br>Th 11:00am - 11:50am | Seats (Total: 31)<br>PHY 1412<br>MTH 0201 | Discussion |
| 0303 | Michael Rapport<br>MWF 3:00pm - 3:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 31)<br>PHY 1412<br>PHY 1219 | Discussion |
| 0304 | Michael Rapport<br>MWF 3:00pm - 3:50pm<br>F 11:00am - 11:50am | Seats (Total: 31)<br>PHY 1412<br>MTH 0103 | Discussion |

**PHYS261** **General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory)**

**PHYS261 General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory); (1 credit)** Grade Method: REG/P-F/AUD.
*Corequisite: PHYS260.* Lab includes experiments on mechanics, vibrations, waves, heat, electricity and magnetism. PHYS260 and PHYS261 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS260 and PHYS261.

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|---|---|---|---|
| 0101 | James Anderson<br>M 6:00pm - 8:50pm | Seats (Total: 25)<br>Location: TBA | Lab |
| 0102 | James Anderson<br>M 12:00pm - 2:50pm | Seats (Total: 25)<br>PHY 3219 | Lab |
| 0103 | James Anderson<br>M 3:00pm - 5:50pm | Seats (Total: 25)<br>PHY 3219 | Lab |
| 0104 | James Anderson<br>Tu 2:00pm - 4:50pm | Seats (Total: 25)<br>PHY 3219 | Lab |
| 0105 | James Anderson<br>Tu 5:00pm - 7:50pm | Seats (Total: 25)<br>Location: TBA | Lab |
| 0106 | James Anderson<br>Tu 5:00pm - 7:50pm | Seats (Total: 25)<br>PHY 3219 | Lab |

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|---|---|---|---|
| 0107 | James Anderson<br>W 11:00am - 1:50pm | Seats (Total: 25)<br>PHY 3219 | Lab |
| 0108 | James Anderson<br>W 2:00pm - 4:50pm | Seats (Total: 25)<br>PHY 3219 | Lab |
| 0109 | James Anderson<br>Th 9:00am - 11:50am | Seats (Total: 25)<br>PHY 3219 | Lab |
| 0110 | James Anderson<br>Th 3:00pm - 5:50pm | Seats (Total: 25)<br>PHY 3219 | Lab |
| 0111 | James Anderson<br>Th 3:00pm - 5:50pm | Seats (Total: 25)<br>Location: TBA | Lab |
| 0112 | James Anderson<br>M 6:00pm - 8:50pm | Seats (Total: 25)<br>PHY 3219 | Lab |

**PHYS261M** **General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory)**

**PHYS261M** *(PermReq)* **General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory); (1 credit)** Grade Method: REG/P-F/AUD.
*Corequisite: PHYS260.* Lab includes experiments on mechanics, vibrations, waves, heat, electricity and magnetism. PHYS260 and PHYS261 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS260 and PHYS261.

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|---|---|---|---|
| 0101 | James Anderson<br>Contact instructor or department for details.<br>*Restricted to students transferring a lab grade from a previous semester.* | Seats (Total: 10) | |

**PHYS270** **General Physics: Electrodynamics, Light, Relativity and Modern Physics**

**PHYS270 General Physics: Electrodynamics, Light, Relativity and Modern Physics; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab(if taken with PHYS271).
*Prerequisite: PHYS261, MATH241, and PHYS260. Corequisite: PHYS271. Credit only granted for: (PHYS270 and PHYS271) or PHYS273.* Third semester of a three-semester calculus-based general physics course. Electrodynamics, Maxwell's equations and electromagnetic waves, geometrical optics, interference, diffraction, special theory of relativity, and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS270 and PHYS271. If purchasing used books additional software may be required.

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|---|---|---|---|
| 0101 | Thomas Antonsen<br>MWF 1:00pm - 1:50pm<br>W 2:00pm - 2:50pm | Seats (Total: 33)<br>PHY 1412<br>MTH 0106 | <br><br>Discussion |
| 0102 | Thomas Antonsen<br>MWF 1:00pm - 1:50pm<br>M 3:00pm - 3:50pm | Seats (Total: 33)<br>PHY 1412<br>MTH 0302 | <br><br>Discussion |
| 0103 | Thomas Antonsen<br>MWF 1:00pm - 1:50pm<br>W 11:00am - 11:50am | Seats (Total: 33)<br>PHY 1412<br>MTH B0421 | <br><br>Discussion |
| 0104 | Thomas Antonsen<br>MWF 1:00pm - 1:50pm<br>Th 8:00am - 8:50am | Seats (Total: 33)<br>PHY 1412<br>PHY 0405 | <br><br>Discussion |
| 0105 | Thomas Antonsen<br>MWF 1:00pm - 1:50pm<br>Tu 8:00am - 8:50am | Seats (Total: 33)<br>PHY 1412<br>PHY 1204 | <br><br>Discussion |
| 0106 | Thomas Antonsen<br>MWF 1:00pm - 1:50pm<br>M 11:00am - 11:50am | Seats (Total: 33)<br>PHY 1412<br>PHY 1204 | <br><br>Discussion |
| 0201 | Min Ouyang<br>MWF 12:00pm - 12:50pm<br>M 9:00am - 9:50am | Seats (Total: 33)<br>PHY 1410<br>PHY 1402 | <br><br>Discussion |

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|---|---|---|---|
| 0202 | Min Ouyang<br>MWF 12:00pm - 12:50pm<br>W 9:00am - 9:50am | Seats (Total: 33)<br>PHY 1410<br>PHY 1402 | Discussion |
| 0203 | Min Ouyang<br>MWF 12:00pm - 12:50pm<br>M 10:00am - 10:50am | Seats (Total: 33)<br>PHY 1410<br>MTH 0411 | Discussion |
| 0204 | Min Ouyang<br>MWF 12:00pm - 12:50pm<br>M 11:00am - 11:50am | Seats (Total: 33)<br>PHY 1410<br>MTH 0403 | Discussion |
| 0205 | Min Ouyang<br>MWF 12:00pm - 12:50pm<br>W 11:00am - 11:50am | Seats (Total: 33)<br>PHY 1410<br>PHY 1204 | Discussion |
| 0401 | Wendell Hill<br>M 7:00pm - 8:50pm<br>W 7:00pm - 7:50pm<br>W 8:00pm - 8:50pm | Seats (Total: 33)<br>PHY 1201<br>PHY 1201<br>PHY 0405 | Discussion |
| 0402 | Wendell Hill<br>M 7:00pm - 8:50pm<br>W 7:00pm - 7:50pm<br>W 6:00pm - 6:50pm | Seats (Total: 33)<br>PHY 1201<br>PHY 1201<br>PHY 0405 | Discussion |

**PHYS271** **General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory)**

**PHYS271 General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory); (1 credit)** Grade Method: REG/P-F/AUD.
*Prerequisite: PHYS261. Corequisite: PHYS270.* Lab includes experiments on ac circuits, magnetism, light and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS270 and PHYS271.

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|---|---|---|---|
| 0101 | James Anderson<br>M 9:00am - 11:50am | Seats (Total: 25)<br>PHY 3220 | Lab |
| 0102 | James Anderson<br>M 12:00pm - 2:50pm | Seats (Total: 25)<br>PHY 3220 | Lab |

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|---|---|---|---|
| 0103 | James Anderson<br>M 3:00pm - 5:50pm | Seats (Total: 25)<br>PHY 3220 | Lab |
| 0104 | James Anderson<br>Tu 8:00am - 10:50am | Seats (Total: 25)<br>PHY 3220 | Lab |
| 0105 | James Anderson<br>M 6:00pm - 8:50pm | Seats (Total: 25)<br>PHY 3220 | Lab |
| 0106 | James Anderson<br>Tu 11:00am - 1:50pm | Seats (Total: 25)<br>PHY 3220 | Lab |
| 0107 | James Anderson<br>Tu 4:00pm - 6:50pm | Seats (Total: 25)<br>PHY 3220 | Lab |
| 0108 | James Anderson<br>W 5:00pm - 7:50pm | Seats (Total: 25)<br>PHY 3220 | Lab |
| 0109 | James Anderson<br>Th 1:00pm - 3:50pm | Seats (Total: 25)<br>Location: TBA | Lab |
| 0110 | James Anderson<br>W 2:00pm - 4:50pm | Seats (Total: 25)<br>PHY 3220 | Lab |
| 0111 | James Anderson<br>Th 9:00am - 11:50am | Seats (Total: 25)<br>PHY 3220 | Lab |
| 0112 | James Anderson<br>Th 1:00pm - 3:50pm | Seats (Total: 25)<br>PHY 3220 | Lab |
| 0113 | James Anderson<br>Th 7:00pm - 9:50pm | Seats (Total: 25)<br>PHY 3220 | Lab |
| 0115 | James Anderson<br>W 8:00am - 10:50am | Seats (Total: 25)<br>PHY 3220 | Lab |
| 0116 | James Anderson<br>W 5:00pm - 7:50pm | Seats (Total: 25)<br>PHY 3310 | Lab |
| 0117 | James Anderson<br>Tu 4:00pm - 6:50pm | Seats (Total: 25)<br>PHY 3310 | Lab |

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|---|---|---|---|
| 0118 | James Anderson | Seats (Total: 25) | |
| | M 3:00pm - 5:50pm | PHY 3310 | Lab |

**PHYS271M** **General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory)**

**PHYS271M** *(PermReq)* **General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory); (1 credit)** Grade Method: REG/P-F/AUD. *Prerequisite: PHYS261. Corequisite: PHYS270.* Lab includes experiments on ac circuits, magnetism, light and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS270 and PHYS271.

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|---|---|---|
| 0101 | James Anderson | Seats (Total: 10) |
| | Contact instructor or department for details. | |
| | *Restricted to students transferring a lab grade from a previous semester.* | |

**PHYS272** **Introductory Physics: Fields**

**PHYS272 Introductory Physics: Fields; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab(if taken with PHYS275). *Prerequisite: PHYS161 or PHYS171; and MATH141; and must have completed or be concurrently enrolled in MATH241. Credit only granted for: PHYS142, (PHYS260 and PHYS261) or PHYS272.. Additional information: CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS275.* Second semester of a calculus based general physics course. Universal gravitation, electric and magnetic fields and potentials, simple circuits, Maxwell's equations in integral form. Continues the application of mathematics to conceptual models, now with more abstract components. Also offered as PHYS272H.

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|---|---|---|
| 0101 | Paulo Bedaque | Seats (Total: 60) |
| | TuTh 12:30pm - 1:45pm | PHY 1201 |
| | F 12:00pm - 12:50pm | PHY 1201 |

**PHYS272H** **Introductory Physics: Fields**

**PHYS272H** *(PermReq)* **Introductory Physics: Fields; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Natural Science Lab(if taken with PHYS275).
*Prerequisite: PHYS161 or PHYS171; and MATH141; and must have completed or be concurrently enrolled in MATH241. Credit only granted for: PHYS142, (PHYS260 and PHYS261) or PHYS272.. Additional information: CORE Distributive Studies Physical Sciences Laboratory Course only when taken concurrently with PHYS275.* Second semester of a calculus based general physics course. Universal gravitation, electric and magnetic fields and potentials, simple circuits, Maxwell's equations in integral form. Continues the application of mathematics to conceptual models, now with more abstract components. For general honors students only. Also offered as PHYS272.

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|---|---|---|
| 0101 | Paulo Bedaque | Seats (Total: 60) |
| | TuTh 12:30pm - 1:45pm | PHY 1201 |
| | F 12:00pm - 12:50pm | PHY 1201 |

**PHYS273** **Introductory Physics: Waves**

**PHYS273 Introductory Physics: Waves; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MATH241 and PHYS272. Corequisite: MATH246 or MATH414. Credit only granted for: (PHYS270 and PHYS271) or PHYS273.* Oscillations and AC circuits using complex variables, Fourier series and integrals, waves on strings, sound; electromagnetic waves from Maxwell's equations in differential form; physical optics. Also offered as PHYS273H.

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|---|---|---|
| 0101 | Carter Hall | Seats (Total: 65) |
| | TuTh 9:30am - 10:45am | PHY 1410 |
| | F 9:00am - 9:50am | CHM 1402 |

**PHYS273H** **Introductory Physics: Waves**

**PHYS273H** *(PermReq)* **Introductory Physics: Waves; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: MATH241 and PHYS272. Corequisite: MATH246 or MATH414. Credit only granted for: (PHYS270 and PHYS271) or PHYS273.* Oscillations and AC circuits using complex variables, Fourier series and integrals, waves on strings, sound; electromagnetic waves from Maxwell's equations in differential form; physical optics. For general honors students only. Also offered as PHYS273.

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|---|---|---|---|
| 0101 | Carter Hall<br>TuTh 9:30am - 10:45am<br>F 9:00am - 9:50am | Seats (Total: 65)<br>PHY 1410<br>CHM 1402 | |

**PHYS275** **Experimental Physics I: Mechanics and Heat**

**PHYS275** *(PermReq)* **Experimental Physics I: Mechanics and Heat; (2 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PHYS161 or PHYS171; and PHYS174. Additional information: CORE Physical Science Lab (PL) Course only when taken concurrently with PHYS272.* Methods and rationale of experimental physics. Intended for physics majors and science and engineering students who desire a more rigorous approach. Experiments chosen from the areas of mechanics (from PHYS171), gas laws, and heats. Theory and applications of error analysis.

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|---|---|---|---|
| 0101 | Douglas Hamilton<br>W 2:00pm - 5:50pm | Seats (Total: 12)<br>PHY 3104 | Lab |
| 0201 | Douglas Hamilton<br>M 1:00pm - 4:50pm | Seats (Total: 12)<br>PHY 3104 | Lab |
| 0301 | Douglas Hamilton<br>Tu 2:00pm - 5:50pm | Seats (Total: 12)<br>PHY 3104 | Lab |
| 0401 | Douglas Hamilton<br>Th 2:00pm - 5:50pm | Seats (Total: 12)<br>PHY 3104 | Lab |

**PHYS276** **Experimental Physics II: Electricity and Magnetism**

**PHYS276** *(PermReq)* **Experimental Physics II: Electricity and Magnetism; (2 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PHYS272 and PHYS275.* Second course in the three semester introductory sequence. Methods and rationale of experimental physics. Experiments chosen from the fields of electricity and magnetism including electrostatics, magnetostatics, magnetic induction, AC circuits.

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|---|---|---|---|
| 0101 | Giridhar Nandikotkur<br>M 2:00pm - 5:50pm | Seats (Total: 12)<br>PHY 3120 | Lab |

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|---|---|---|---|
| 0201 | Eun-Suk Seo<br>Tu 1:00pm - 4:50pm | Seats (Total: 12)<br>PHY 3120 | Lab |
| 0301 | Eun-Suk Seo<br>Th 2:00pm - 5:50pm | Seats (Total: 12)<br>PHY 3120 | |
| 0401 | Giridhar Nandikotkur<br>W 2:00pm - 5:50pm | Seats (Total: 12)<br>PHY 3120 | Lab |

**PHYS299** **Special Problems in Physics**

**PHYS299** *(PermReq)* **Special Problems in Physics; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**PHYS299B** **Special Problems in Physics; Developing a Physics Toolbox**

**PHYS299B** *(PermReq)* **Special Problems in Physics: Developing a Physics Toolbox; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PHYS174. Introduces students to the skills needed to become a successful physicist, but rarely taught in traditional undergraduate physics coursework. The skills covered will include scientific reading and writing skills, presentation skills as well as tools commonly used in physics research. As much as possible, this course will allow students to do real science as opposed to cookie-cutter experiments with known results.

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| 0101 | Sonali Shukla<br>F 2:00pm - 3:50pm<br>Contact instructor or department for details. | Seats (Total: 20)<br>Location: TBA | |

**PHYS374** **Intermediate Theoretical Methods**

**PHYS374 Intermediate Theoretical Methods; (4 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: MATH246 and PHYS273. Corequisite: MATH240.* Introduces or reviews areas of mathematics that are regularly used in upper level and graduate courses in physics, including important areas from complex variables, Fourier analysis, partial differential equations and eigenvalue problems. These methods will be studied in the context of relevant physics applications. A current standard symbolic manipulation program will be introduced and its appropriate use in theoretical analyses will be taught.

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|---|---|---|---|
| 0101 | Zackaria Chacko | Seats (Total: 60) | |
| | TuTh 2:00pm - 3:15pm | CSS 1113 | |
| | W 4:00pm - 4:50pm | CSS 1113 | |

**PHYS375** **Experimental Physics III: Electromagnetic Waves, Optics and Modern Physics**

**PHYS375** *(PermReq)* **Experimental Physics III: Electromagnetic Waves, Optics and Modern Physics; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PHYS276 and PHYS273.* Third course in the three-semester introductory sequence. Methods and rationale of experimental physics. Experiments chosen from the areas of electromagnetic waves, optics and modern physics.

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|---|---|---|---|
| 0101 | Peter Shawhan | Seats (Total: 10) | |
| | M 2:00pm - 2:50pm | PHY 3112 | |
| | M 3:00pm - 5:50pm | PHY 3203 | Lab |
| 0201 | Peter Shawhan, Frederick Wellstood | Seats (Total: 10) | |
| | M 2:00pm - 2:50pm | PHY 3112 | |
| | Tu 3:00pm - 5:50pm | PHY 3203 | Lab |
| 0301 | Peter Shawhan | Seats (Total: 10) | |
| | M 2:00pm - 2:50pm | PHY 3112 | |
| | W 3:00pm - 5:50pm | PHY 3203 | Lab |

**PHYS386** **Experiential Learning**

**PHYS386** *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**PHYS389** **Undergraduate Thesis Research**

**PHYS389** *(PermReq)* **Undergraduate Thesis Research; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**PHYS398** **Independent Studies Seminar**

**PHYS398** *(PermReq)* **Independent Studies Seminar; (1-16 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**PHYS399** **Special Problems in Physics**

**PHYS399** *(PermReq)* **Special Problems in Physics; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**PHYS401** **Quantum Physics I**

**PHYS401 Quantum Physics I; (4 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: PHYS273. Corequisite: PHYS374 and MATH240. Formerly: PHYS421.* Introduces some quantum phenomena leading to wave-particle duality. Schroedinger theory for bound states and scattering in one dimension. One-particle Schroedinger equation and the hydrogen atom.

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| 0101 | Christopher Monroe | Seats (Total: 50) |
| | M 3:00pm - 4:50pm | PHY 1402 |
| | WF 3:00pm - 3:50pm | PHY 1402 |

**PHYS402** **Quantum Physics II**

**PHYS402 Quantum Physics II; (4 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: PHYS401, PHYS374, and MATH240.* Quantum states as vectors; spin and spectroscopy, multiparticle systems, the periodic table, perturbation theory, band structure, etc.

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|---|---|---|---|
| 0101 | Victor Yakovenko | Seats (Total: 60) | |
| | MWF 9:00am - 9:50am<br>W 10:00am - 10:50am | PHY 1201<br>PHY 1201 | |

**PHYS404** **Introduction to Statistical Thermodynamics**

**PHYS404 Introduction to Statistical Thermodynamics; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PHYS273; or students who have taken courses with comparable content may contact the department.* Introduction to basic concepts in thermodynamics and statistical mechanics.

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|---|---|---|
| 0101 | Michael Levin | Seats (Total: 60) |
| | TuTh 12:30pm - 1:45pm | CSS 1113 |

**PHYS405** **Advanced Experiments**

**PHYS405** *(PermReq)* **Advanced Experiments; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PHYS375. Restriction: Must be in a major within CMNS-Physics department.* Advanced laboratory techniques. Selected experiments from many fields of modern physics. Emphasis on self-study of the phenomena, data analysis, and presentation in report form.

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|---|---|---|---|
| 0101 | Luis Orozco, Abolhassan Jawahery | Seats (Total: 20) | |
| | W 12:00pm - 12:50pm<br>TBA | PHY 1402<br>PHY 3112 | Lab<br>Lab |
| 0102 | Luis Orozco, Abolhassan Jawahery | Seats (Total: 20) | |
| | W 12:00pm - 12:50pm<br>TBA | PHY 1402<br>PHY 3112 | Lab<br>Lab |

**PHYS407** **Undergraduate Experimental Research**

**PHYS407** *(PermReq)* **Undergraduate Experimental Research; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. *Prerequisite: PHYS499 and PHYS375; and permission of CMNS-Physics department. Restriction: Must be in a major within CMNS-Physics department; and senior standing.* Students develop and complete an independent, experimental research project with a professor in the Physics Department. The project should be a continuation of work done in PHYS499A. To obtain permission, students must submit a proposal describing the experimental work to be completed and this proposal must be approved by their faculty mentor, the associate chair for undergraduate education and the chair of the laboratory committee. Students must maintain a lab notebook, give an oral presentation and complete a written report on their research that includes data and error analysis.

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|---|---|---|
| 0101 | Thomas Cohen | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**PHYS410** **Classical Mechanics**

**PHYS410 Classical Mechanics; (4 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: PHYS374.* Theoretical foundations of mechanics with extensive application of the methods. Various mathematical tools of theoretical physics.

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|---|---|---|
| 0101 | Steven Anlage | Seats (Total: 44) |
| | MW 11:00am - 11:50am | PHY 0405 |
| | F 10:00am - 11:50am | PHY 0405 |

**PHYS411** **Intermediate Electricity and Magnetism**

**PHYS411 Intermediate Electricity and Magnetism; (4 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PHYS374.* Foundations of electromagnetic theory, with extensive applications of the methods. Thorough treatment of wave properties of solutions of Maxwell's equations.

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| 0101 | Sylvester Gates | Seats (Total: 44) |
| | TuTh 9:30am - 10:45am | PHY 0405 |
| | M 10:00am - 10:50am | PHY 0405 |

**PHYS420** **Principles of Modern Physics**

**PHYS420 Principles of Modern Physics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MATH246. And PHYS271 and PHYS270; or PHYS273.* A survey of atomic and nuclear phenomena and the main trends in modern physics. Appropriate for students in engineering and other physical sciences.

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|---|---|---|---|
| 0101 | Jonathan McKinney | Seats (Total: 40) | |
| | TuTh 3:30pm - 4:45pm | PHY 1402 | |

**PHYS441** **Topics in Nuclear and Particle Physics**

**PHYS441 Topics in Nuclear and Particle Physics; (3 credits)** Grade Method: REG. *Prerequisite: PHYS401 or PHYS402. Corequisite: PHYS402.* A survey of concepts in particle and nuclear physics, with a topical emphasis on the impact of the Weak Interaction and the discovery of Parity Violation.

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|---|---|---|---|
| 0101 | Luis Orozco | Seats (Total: 25) | |
| | TuTh 11:00am - 12:15pm | PHY 1201 | |

**PHYS485** **Electronic Circuits**

**PHYS485** *(PermReq)* **Electronic Circuits; (4 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: PHYS405. Corequisite: PHYS374. Restriction: Must be in a major within CMNS-Physics department.* Theory and application to experimental physics of modern semiconductor analog and digital circuits. Emphasis on understanding passive and active elements in practical circuits. Topics span the range from simple transistor circuits to microcomputers.

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|---|---|---|---|
| 0101 | Michael Coplan | Seats (Total: 13) | |
| | M 2:00pm - 3:50pm | PHY 1219 | |
| | W 1:00pm - 4:50pm | PHY 3321 | Lab |

**PHYS499A** **Special Problems in Physics**

**PHYS499A** *(PermReq)* **Special Problems in Physics; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**PHYS499B** **Special Problems in Physics**

**PHYS499B** *(PermReq)* **Special Problems in Physics; (1-16 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**PHYS603** **Methods of Statistical Physics**

**PHYS603** *(PermReq)* **Methods of Statistical Physics; (3 credits)** Grade Method: REG/AUD.
*Credit only granted for: PHYS602 or PHYS603.* Foundations and applications of thermodynamics and statistical mechanics. Advanced special students require department authorization. Also offered as CHPH718F.

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|---|---|---|
| 0101 | Theodore Einstein | Seats (Total: 49) |
| | TuTh 9:30am - 10:45am | PHY 1201 |

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**PHYS606** **Electrodynamics**

**PHYS606 Electrodynamics; (4 credits)** Grade Method: REG/AUD.
*Prerequisite: PHYS604; or students who have taken courses with comparable content may contact the department.* Classical electromagnetic theory, electro- and magnetostatics, Maxwell equations, waves and radiation, special relativity.

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| 0101 | Adil Hassam | Seats (Total: 50) |
| | TuTh 11:00am - 12:40pm | PHY 1402 |

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**PHYS623** **Introduction to Quantum Mechanics II**

**PHYS623** *(PermReq)* **Introduction to Quantum Mechanics II; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: Must have an outstanding undergraduate background in physics.* First and second semesters. A study of the Schroedinger equation, matrix formulations of quantum mechanics, approximation methods, scattering theory etc., and applications to solid state, atomic, and nuclear physics. Continuation of PHYS 622. Advanced special students require department authorization.

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| 0101 | Xiangdong Ji | Seats (Total: 60) |
| | MWF 10:00am - 10:50am | PHY 1402 |

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**PHYS625** **Non-relativistic Quantum Mechanics**

**PHYS625 Non-relativistic Quantum Mechanics; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: PHYS623.* Non-relativistic second quantization, single particle Green's function, perturbation theory, linked cluster expansion, Feynman and Goldstone diagrams; applications to imperfect Fermi gases; superconductivity.

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|---|---|---|---|
| 0101 | Theodore Kirkpatrick | Seats (Total: 30) | |
| | MW 12:30pm - 1:45pm | PHY 1219 | |

**PHYS685** **Research Electronics**

**PHYS685** *(PermReq)* **Research Electronics; (4 credits)** Grade Method: REG.
*Prerequisite: PHYS374 or PHYS405; or students who have taken courses with comparable content may contact the department. Restriction: Must not have completed PHYS485. Credit only granted for: PHYS485 or PHYS685.* An integrated lecture and laboratory course in electronics with equal emphasis on experimental methods and results and analysis using device models and up-to-date mathematical and numerical tools. Experiments and analysis of circuits with passive and single active devices form the background for the study of operational amplifiers, digital integrated circuits and systems, and microcomputers. The general topics of impedance matching, frequency response, feedback, interfacing and the extraction of signal from noise are stressed.

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|---|---|---|---|
| 0101 | Michael Coplan | Seats (Total: 13) | |
| | M 2:00pm - 3:50pm | PHY 1219 | |
| | W 1:00pm - 4:50pm | PHY 3321 | Lab |

**PHYS703** **Introduction to Nonequilibrium Statistical Physics**

**PHYS703 Introduction to Nonequilibrium Statistical Physics; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PHYS603 or CHEM687; or permission of instructor. Credit only granted for: CHPH703, CHPH718B, CHEM703, CHEM718B, PHYS703, or PHYS798Z. Formerly: PHYS798Z.* Analysis and microscopic modeling of systems away from thermal equilibrium. Linear response theory, ergodicity, Brownian motion, Monte Carlo modeling, thermal ratchets, far-from-equilibrium fluctuation relations. Introduction to the theoretical tools of nonequilibrium phenomena and their application to problems in physics, chemistry and biology.

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| 0101 | Christopher Jarzynski<br>MW 2:30pm - 3:45pm | Seats (Total: 25)<br>PLS 1119 |

**PHYS708** **Seminar in Teaching College Physics**

**PHYS708 Seminar in Teaching College Physics; (1 credit)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Ayush Gupta<br>Th 3:30pm - 4:45pm | Seats (Total: 15)<br>PHY 0405 |

**PHYS709** **Seminar in General Physics; Statistical Physics**

**PHYS709 Seminar in General Physics: Statistical Physics; (1 credit)** Grade Method: REG/AUD.
Advanced special students require department authorization. Also offered as CHPH 709B.

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|---|---|---|
| 0101 | John Weeks<br>Tu 1:15pm - 2:30pm | Seats (Total: 20)<br>PHY 1402 |

**PHYS728** **Seminar in Atomic and Molecular Physics**

**PHYS728 Seminar in Atomic and Molecular Physics; (1 credit)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Luis Orozco<br>M 12:30pm - 1:50pm | Seats (Total: 30)<br>PHY 1201 |

**PHYS738** **Seminar in Experimental Solid State Physics; Quantum Mechanical Many-Body Problems**

**PHYS738 Seminar in Experimental Solid State Physics: Quantum Mechanical Many-Body Problems; (1 credit)** Grade Method: REG/AUD.
Advanced special students require department authorization.

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| 0101 | Min Ouyang<br>Th 2:00pm - 3:30pm | Seats (Total: 30)<br>PHY 1219 |

**PHYS739** **Seminar in Theoretical Solid State Physics; Quantum Mechanical Many-Body Problems**

**PHYS739 Seminar in Theoretical Solid State Physics: Quantum Mechanical Many-Body Problems; (1 credit)** Grade Method: REG/AUD.
Advanced special students require department authorization.

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|---|---|---|
| 0101 | Victor Galitskiy | Seats (Total: 30) |
| | Th 2:00pm - 3:30pm | PHY 1201 |

**PHYS748** **Seminar in Experimental Nuclear Physics; Seminar in Nuclear Physics**

**PHYS748 Seminar in Experimental Nuclear Physics: Seminar in Nuclear Physics; (1 credit)** Grade Method: REG/AUD.

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| 0101 | Carter Hall | Seats (Total: 10) |
| | W 11:30am - 1:00pm | PHY 2202 |

**PHYS758E** **Seminar in Elementary Particles and Quantum Field Theory; Experimental Results Including Cosmic Ray Physics**

**PHYS758E Seminar in Elementary Particles and Quantum Field Theory: Experimental Results Including Cosmic Ray Physics; (1 credit)** Grade Method: REG/AUD.

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| 0101 | Andris Skuja | Seats (Total: 25) |
| | W 4:00pm - 5:30pm | PHY 0405 |

**PHYS759** **Seminar in Elementary Particles and Quantum Field Theory**

**PHYS759 Seminar in Elementary Particles and Quantum Field Theory; (1 credit)** Grade Method: REG/AUD.
Advanced special students require department authorization.

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|---|---|---|
| 0101 | Kaustubh Agashe | Seats (Total: 27) |
| | M 3:00pm - 4:00pm | PHY 4102 |

**PHYS762** **Plasma Physics II**

**PHYS762 Plasma Physics II; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: PHYS761.* Continuation of PHYS 761. Vlasov theory, including waves, stability, and weak turbulence, kinetic equation theories of correlations and radiative processes.

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|---|---|---|
| 0101 | James Drake | Seats (Total: 10) |
| | TuTh 2:00pm - 3:15pm | PHY 1304 |

**PHYS769** **Seminar in Plasma Physics; Plasma Physics Research**

**PHYS769 Seminar in Plasma Physics: Plasma Physics Research; (1 credit)** Grade Method: REG/AUD.
Advanced special students require department authorization.

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| 0101 | Adil Hassam | Seats (Total: 20) |
| | W 3:45pm - 5:00pm | Location: TBA |

**PHYS778** **Seminar in Space and Cosmic Ray Physics**

**PHYS778 Seminar in Space and Cosmic Ray Physics; (1 credit)** Grade Method: REG/AUD.
Advanced special students require department authorization.

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| 0101 | Douglas Hamilton, Eun-Suk Seo | Seats (Total: 15) |
| | M 4:30pm - 5:45pm | CSS 2400 |

**PHYS779A** **Seminar in General Relativity**

**PHYS779A Seminar in General Relativity; (1 credit)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Alessandra Buonanno | Seats (Total: 10) |
| | W 1:30pm - 3:00pm | PHY 4102 |

**PHYS798** **Special Problems in Advanced Physics**

**PHYS798** *(PermReq)* **Special Problems in Advanced Physics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**PHYS798B** **Special Problems in Advanced Physics; Physics Colloquium**

**PHYS798B Special Problems in Advanced Physics: Physics Colloquium; (1 credit)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Thomas Cohen<br>Tu 4:00pm - 5:30pm | Seats (Total: 100)<br>PHY 1410 |

**PHYS798D** **Special Problems in Advanced Physics; Applied Dynamics Seminar**

**PHYS798D Special Problems in Advanced Physics: Applied Dynamics Seminar; (1 credit)** Grade Method: REG/AUD.
Also offered as ENEE698D. Click here for more course information.

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|---|---|---|
| 0101 | Michelle Girvan<br>W 12:00pm - 1:30pm | Seats (Total: 20)<br>PHY 1201 |

**PHYS798E** **Special Problems in Advanced Physics; Electrophysics**

**PHYS798E Special Problems in Advanced Physics: Electrophysics; (1 credit)** Grade Method: REG/AUD.

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| 0101 | Phillip Sprangle<br>W 11:00am - 11:50am | Seats (Total: 41)<br>KEB 1200 |

**PHYS798L** **Special Problems in Advanced Physics; Biophysics**

**PHYS798L Special Problems in Advanced Physics: Biophysics; (1 credit)** Grade Method: REG/AUD.
Also offered as CHPH709L and BIPH698L.

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| 0101 | Arpita Upadhyaya<br>M 4:00pm - 5:30pm | Seats (Total: 10)<br>PHY 0405 |

**PHYS799** **Master's Thesis Research**

**PHYS799** *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**PHYS799B** **Master's Thesis Research**

**PHYS799B Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F.

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| 0101 | Thomas Cohen<br>Contact instructor or department for details. | Seats (Total: 10) |

**PHYS838A** **Special Topics in Experimental Solid State Physics; Methods of Surface Physics**

**PHYS838A Special Topics in Experimental Solid State Physics: Methods of Surface Physics; (2 credits)** Grade Method: REG/AUD.
Also offered as CHPH718A.

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|---|---|---|
| 0101 | Theodore Einstein, William Cullen<br>M 12:00pm - 1:00pm<br>F 3:00pm - 5:00pm | Seats (Total: 3)<br>PHY 0405<br>PHY 1204 |

**PHYS838C** **Special Topics in Experimental Solid State Physics; Center for Nanophysics and Advanced Materials Seminar**

**PHYS838C Special Topics in Experimental Solid State Physics: Center for Nanophysics and Advanced Materials Seminar; (2 credits)** Grade Method: REG/AUD.

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| 0101 | Johnpierre Paglione, Richard Greene<br>M 4:00pm - 6:00pm | Seats (Total: 30)<br>PHY 1201 |

**PHYS839A** **Special Topics in Theoretical Solid State Physics**

**PHYS839A Special Topics in Theoretical Solid State Physics; (1-4 credits)** Grade Method: REG/AUD.

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| 0101 | Sankar Das Sarma<br>Contact instructor or department for details. | Seats (Total: 10) |

**PHYS851** **Advanced Quantum Field Theory**

**PHYS851 Advanced Quantum Field Theory; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: PHYS624.* Renormalization, unitarity, gauge theory, S-matrix construction.

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| 0101 | Raman Sundrum<br>Tu 11:00am - 12:30pm<br>Th 11:00am - 12:30pm | Seats (Total: 22)<br>PHY 1219<br>PHY 1219 |

**PHYS879G** **Special Topics in General Relativity; Gravitational-Wave Physics**

**PHYS879G Special Topics in General Relativity: Gravitational-Wave Physics; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Alessandra Buonanno | Seats (Total: 20) |
| | TuTh 9:30am - 10:45am | PHY 4102 |

**PHYS898** **Pre-Candidacy Research**

**PHYS898** *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**PHYS899** **Doctoral Dissertation Research**

**PHYS899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

Physics Colloquium meets Tu 4-5:30 in PHY 1410 and PHY 1412. Physics Journal Club meets Th 4-5:30 in PHY 1410.

**Contact department for information to register for this course.**

# PLSC Plant Sciences Spring 2013

**PLSC100** **Introduction to Horticulture**

**PLSC100 Introduction to Horticulture; (4 credits)** Grade Method: REG/P-F/AUD. CORE Life Science Lab (LL) Course. GenEd: Distributive Studies - Natural Science Lab.
An overview to the art and science of horticulture. Relationships between plant science and plant production, the use of horticultural plants and plant stress as influenced by cultural practices. Students must pay a $50.00 lab materials fee.

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|---|---|---|---|
| 0101 | Christopher Walsh | Seats (Total: 24) | |
| | TuTh 11:00am - 12:15pm | SHM 2102 | |
| | M 2:00pm - 4:20pm | PLS 1153 | Lab |
| | M 1:00pm - 1:50pm | PLS 1153 | Discussion |

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|---|---|---|---|
| 0102 | Christopher Walsh | Seats (Total: 24) | |
| | TuTh 11:00am - 12:15pm | SHM 2102 | |
| | Tu 1:30pm - 3:50pm | PLS 1153 | Lab |
| | Tu 12:30pm - 1:20pm | PLS 1153 | Discussion |
| 0103 | Christopher Walsh | Seats (Total: 24) | |
| | TuTh 11:00am - 12:15pm | SHM 2102 | |
| | W 2:00pm - 4:20pm | PLS 1153 | Lab |
| | W 1:00pm - 1:50pm | PLS 1153 | Discussion |
| 0104 | Christopher Walsh | Seats (Total: 24) | |
| | TuTh 11:00am - 12:15pm | SHM 2102 | |
| | Th 1:30pm - 3:50pm | PLS 1153 | Lab |
| | Th 12:30pm - 1:20pm | PLS 1153 | Discussion |
| 0105 | Christopher Walsh | Seats (Total: 24) | |
| | TuTh 11:00am - 12:15pm | SHM 2102 | |
| | M 10:00am - 12:20pm | PLS 1153 | Lab |
| | M 9:00am - 9:50am | PLS 1153 | Discussion |
| 0106 | Christopher Walsh | Seats (Total: 24) | |
| | TuTh 11:00am - 12:15pm | SHM 2102 | |
| | W 10:00am - 12:20pm | PLS 1153 | Lab |
| | W 9:00am - 9:50am | PLS 1153 | Discussion |
| 0107 | Christopher Walsh | Seats (Total: 24) | |
| | TuTh 11:00am - 12:15pm | SHM 2102 | |
| | F 10:00am - 12:20pm | PLS 1153 | Lab |
| | F 9:00am - 9:50am | PLS 1153 | Discussion |

**PLSC203** **Plants, Genes and Biotechnology**

**PLSC203 Plants, Genes and Biotechnology; (3 credits)** Grade Method: REG/P-F/AUD. CORE Life Science (LS) Course. GenEd: Distributive Studies - Natural Sciences.
*Prerequisite: BSCI103 or BSCI105. Formerly: NRSC203.* An overview of the history, genetics, and reproductive mechanisms for agronomic and horticultural plants that examines mechanisms of genetic improvement ranging from traditional plant breeding to tissue culture and genetic engineering. Social and political issues such as germplasm preservation and international intellectual property rights will also be discussed.

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| 0101 | Jose Costa, Jianhua Zhu<br>TuTh 2:00pm - 3:15pm | Seats (Total: 35)<br>PLS 1117 | |

**PLSC235** **Irrigation and Drainage**

**PLSC235 Irrigation and Drainage; (3 credits)** Grade Method: REG/P-F/AUD.
*Credit only granted for: PLSC235 or PLSC489I. Formerly: PLSC489I.* An overview of U.S. and state water doctrines and plant water use rates. Irrigation systems for residential and athletic field use will be discussed covering such topics as hydraulics, sprinkler spacing, pipe selection and sizing, pumps, controllers, valves, and irrigation trouble shooting. Surface and subsurface drainage for turfgrass sites will also be covered.

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| 0101 | Justin Mathias<br>MW 10:00am - 10:50am<br>Tu 12:30pm - 2:30pm | Seats (Total: 6)<br>JUL 1123<br>JUL 1111 | <br><br>Lab |
| 0102 | Justin Mathias<br>MW 10:00am - 10:50am<br>Tu 12:30pm - 2:30pm<br>*This section is restricted to IAA students.* | Seats (Total: 12)<br>JUL 1123<br>JUL 1111 | <br><br>Lab |

**PLSC254** **Woody Plants for Mid-Atlantic Landscape II**

**PLSC254 Woody Plants for Mid-Atlantic Landscape II; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PLSC100 and PLSC253; or permission of instructor.* A field and laboratory study of trees, shrubs, and vines used in ornamental plantings. Major emphasis is placed on introduced and evergreen plant materials.

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| 0101 | Karen Petroff<br>MF 1:00pm - 1:50pm<br>F 2:00pm - 4:50pm | Seats (Total: 24)<br>PLS 1140<br>PLS 1153 | <br><br>Lab |
| 0102 | Karen Petroff<br>MF 1:00pm - 1:50pm<br>F 2:00pm - 4:50pm | Seats (Total: 24)<br>PLS 1140<br>PLS 1117 | <br><br>Lab |

**PLSC271** **Plant Propagation**

**PLSC271 Plant Propagation; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: BSCI105 and PLSC100.* A study of the principles and practices in the propagation of plants.

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| 0101 | Gary Coleman | Seats (Total: 12) | |
| | W 1:00pm - 2:50pm | PLS 1162 | |
| | W 3:00pm - 4:50pm | PLS 1162 | Lab |

**PLSC272** **Principles of Arboriculture**

**PLSC272 Principles of Arboriculture; (3 credits)** Grade Method: REG/P-F/AUD.
GenEd: Distributive Studies - Scholarship in Practice.
*Prerequisite: PLSC100 and PLSC171. Recommended: ENST200. Formerly: NRSC272.* The establishment and maintenance of healthy trees in an urban setting will be studied. Lectures will focus on the environmental constraints to tree development in the city, and the role of physiological processes in regulating tree vigor. Laboratory exercises will cover the unique aspects of urban soils, tree valuation procedures, pruning and training, and supervised climbing.

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| 0101 | Kenneth Ingram | Seats (Total: 20) | |
| | WF 9:00am - 9:50am | JUL 1123 | |
| | F 10:00am - 11:50am | JUL 1123 | Lab |

**PLSC275** **Fundamentals of Agricultural Chemistry**

**PLSC275 Fundamentals of Agricultural Chemistry; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: CHEM131 and CHEM132; and (PLSC100, PLSC101, BSCI105, or BSCI106). Restriction: Must not have completed CHEM104 or CHEM105. And must be in a major within AGNR-Plant Science & Landscape Architecture department; or must be in a major within AGNR-Animal & Avian Sciences department; or permission of instructor. Credit only granted for: PLSC275, CHEM104, or CHEM105.* An in-depth discussion of chemistry targeted to students enrolled in plant and animal management curricula offered in AGNR. Covers the nomenclature and basic functional groups in organic chemistry, secondary plant metabolites, basic tenets of organic agriculture and the creation of genetically-modified plants. The chemistry, handling and usage of agricultural pesticides is also discussed.

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| 0101 | Christopher Walsh | Seats (Total: 40) | |
| | TuTh 3:30pm - 4:45pm | PLS 1119 | |

**PLSC321** **Landscape Structures and Materials**

**PLSC321 Landscape Structures and Materials; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PLSC320. Also offered as: LARC321. Credit only granted for: LARC321 or PLSC321.* An examination of the use, properties, and detailing of materials used in landscape construction. The use and design of structures in the landscape.

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|---|---|---|---|
| 0101 | Dennis Nola | Seats (Total: 20) | |
| | TuTh 9:30am - 10:45am | PLS 1130 | |
| | Th 11:00am - 12:15pm | PLS 2150 | Lab |

**PLSC388** **Honors Thesis Research**

**PLSC388 Honors Thesis Research; (3-6 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Instructor: TBA | Seats (Total: 10) |
| | Contact instructor or department for details. | |
| | Contact instructor or department for details. | |

**PLSC399** **Special Problems in Plant Science**

**PLSC399 Special Problems in Plant Science; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**PLSC400** **Environmental Plant Physiology**

**PLSC400 Environmental Plant Physiology; (4 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PLSC100 or PLSC101; or (BSCI106 and BSCI105). Recommended: CHEM131 and CHEM132. Restriction: Junior standing or higher. Formerly: NRSC401.* An introduction to the basic physical and physiological principles necessary for understanding the interactions between plants and their environment. The overall objective is to understand plant responses and adaptions to the environment and the ecological relevance of these responses. Also offered as: ENST407. Credit only granted for: PLSC400 or ENST407.

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|---|---|---|---|
| 0101 | Wendy Peer, Jianhua Zhu, Angus Murphy | Seats (Total: 24) | |
| | MWF 12:00pm - 12:50pm | PLS 1119 | |
| | Th 4:00pm - 6:50pm | PLS 1153 | Lab |

**PLSC407** **Advanced Crop Science**

**PLSC407 Advanced Crop Science; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PLSC101 and BSCI105.* A study of principles of production for forage crops, corn, small grains, rice, millets, sorghums, soybeans and other oil seed crops. Their seed production, processing, distribution and the current federal and state seed control programs for these agronomic crops will also be discussed.

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| 0101 | Donald Glenn, Jose Costa | Seats (Total: 20) |
| | MWF 12:00pm - 12:50pm | PLS 1176 |

**PLSC410** **Commercial Turf Maintenance and Production**

**PLSC410 Commercial Turf Maintenance and Production; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PLSC305; or permission of AGNR-Plant Science & Landscape Architecture department.* Agronomic programs and practices used in hydroseeding, commercial lawn care, sod production and seed production. Current environmental, regulatory and business management issues confronting the turfgrass industry.

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| 0101 | Mark Carroll | Seats (Total: 20) |
| | TuTh 9:30am - 10:45am | PBR 1102 |

**PLSC425** **Green Roofs and Urban Sustainability**

**PLSC425 Green Roofs and Urban Sustainability; (1 credit)** Grade Method: REG/P-F/AUD.
*Credit only granted for: PLSC425 or PLSC489V. Formerly: PLSC489V.* The integration of disciplines associated with sustainability issues. Topics range from plant science to design to policy, all of which can contribute to improving the urban environment.

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| 0101 | Steven Cohan | Seats (Total: 65) | |
| | Tu 11:00am - 12:15pm | PLS 1130 | |

**PLSC452** **Environmental Horticulture**

**PLSC452 Environmental Horticulture; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PLSC100 or PLSC101; and (PLSC253 and PLSC254).* Environmental horticulture principles used in the establishment and maintenance of plant materials in residential and commercial landscapes will be addressed. The effect of soil conditions, environmental factors, and commercial practices will be discussed in relation to the growth and development of newly-installed plant materials. Field diagnostics will be used by students to assess significant problems of plant decline. Environmental sustainability will be combined with current commercial practices of storm water management, nutrient management, and irrigation management to achieve an integrated approach to plant management. Students must pay a $60.00 laboratory materials fee.

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| 0101 | Steven Cohan | Seats (Total: 20) | |
| | MW 12:00pm - 12:50pm | PLS 1113 | |
| | W 1:00pm - 3:50pm | PLS 1113 | Lab |

**PLSC460** **Application of Knowledge in Plant Sciences**

**PLSC460 Application of Knowledge in Plant Sciences; (3 credits)** Grade Method: REG/P-F/AUD. CORE Capstone (CS) Course.
*Prerequisite: PLSC100 or PLSC101; or permission of instructor. Recommended: ENGL393 and ENST200; and (PLSC389 or PLSC399). Restriction: Senior standing or higher. And must be in a major within AGNR-Plant Science & Landscape Architecture department; or must be in another related major.* A capstone course based on interactions with plant science professionals and student-led class discussions. Students will apply their knowledge and experience to practical issues in the discipline, further develop critical thinking ability, and enhance their communication, teamwork, and professional skills. Topics will include nutrient management, integrated pest management, plant interactions with urban and rural ecosystems, planning of public grounds, plant biotechnology, and teaching skills.

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| 0101 | Steven Cohan, John Lea-Cox, Mark Carroll, Donald Glenn<br>Tu 12:30pm - 3:15pm | Seats (Total: 25)<br>PLS 1115 |

**PLSC461** **Cultural Management of Nursery and Greenhouse Systems: Substrates**

**PLSC461 Cultural Management of Nursery and Greenhouse Systems: Substrates; (1 credit)** Grade Method: REG/P-F/AUD.
*Credit only granted for: PLSC461 or PLSC489T. Formerly: PLSC489T.* One of four 1-credit modules covering the management techniques used in the intensive culture of plants in commercial operations. Specifically, this module covers the composition, handling, physical and chemical properties of substrates and how they should be managed to maximize plant growth. Course material is delivered primarily online, but a four hour face-to-face lecture/lab will be held at the end of the module.

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| 0101 | Andrew Ristvey<br>Contact instructor or department for details. | Seats (Total: 15) |

**PLSC462** **Cultural Management of Nursery and Greenhouse Systems; Irrigation**

**PLSC462 Cultural Management of Nursery and Greenhouse Systems; Irrigation; (1 credit)** Grade Method: REG/P-F/AUD.
*Credit only granted for: PLSC462 and PLSC489W. Formerly: PLSC489W.* One of four 1-credit modules covering the management techniques used in the intensive culture of plants in commercial operations. Specifically, this module covers water quantity and quality issues, water supply (basic hydraulics), irrigation system design and irrigation system evaluation (performance) to maximize water application efficiency. Course material is delivered primarily online, but a four hour face-to-face lecture/lab will be held at the end of the module.

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| 0101 | John Lea-Cox | Seats (Total: 15) |
| | Contact instructor or department for details. | |

**PLSC464** **Cultural Management of Nursery and Greenhouse Systems: Nutrients**

**PLSC464 Cultural Management of Nursery and Greenhouse Systems: Nutrients; (1 credit)** Grade Method: REG/P-F/AUD.
*Credit only granted for: PLSC464 or PLSC489Z. Formerly: PLSC489Z.* One of four 1-credit modules covering the management techniques used in the intensive culture of plants in commercial operations. Specifically, this module covers the basics of fertilization, different fertilization strategies and nutrient use and efficiency, to optimize nutrient application practices in intensive plant production systems. Course material is delivered primarily online, but a four hour face-to-face lecture/lab will be held at the end of the module.

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| 0101 | John Lea-Cox | Seats (Total: 15) |
| | Contact instructor or department for details. | |

**PLSC471** **Forest Ecology**

**PLSC471 Forest Ecology; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PLSC201 or BSCI106.* An understanding of the forest ecosystem, its structure and the processes that regulate it are provided. It also considers changes that occur in forests, the interaction of environment and genetics in promoting ecosystem sustainability, and the role of human influences on urban forest ecosystems.

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| 0101 | Joseph Sullivan | Seats (Total: 50) |
| | MWF 10:00am - 10:50am | PLS 1130 |

**PLSC489B** **Special Topics in Plant Science; Private and Public Sector Applications**

**PLSC489B Special Topics in Plant Science: Private and Public Sector Applications; (1 credit)** Grade Method: REG/P-F/AUD.

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| 0101 | Steven Cohan | Seats (Total: 5) |
| | Contact instructor or department for details. | |

**PLSC489E** **Special Topics in Plant Science; Ecology of Agricultural Systems**

**PLSC489E Special Topics in Plant Science: Ecology of Agricultural Systems; (3 credits)** Grade Method: REG/P-F/AUD.
Topics covered will include ecological concepts as applied to modern agricultural systems, the implications of photosynthetic pathway variation to crop performance in current and future climates, life history implications of cultivated crops, population growth in high density systems, ecological basis of species interactions among crops-pests- and mutualists in agricultural communities, and landscape interactions between natural and managed habitat patches.

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| 0101 | Joseph Sullivan, Irwin Forseth, Maile Neel | Seats (Total: 25) |
| | MWF 9:00am - 9:50am | PLS 1115 |

**PLSC489G** **Special Topics in Plant Science; Communications in the Green Industry**

**PLSC489G Special Topics in Plant Science: Communications in the Green Industry; (2 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Steven Cohan | Seats (Total: 12) |
| | Contact instructor or department for details. | |

**PLSC489L** **Special Topics in Plant Science; Landscape Contracting II**

**PLSC489L Special Topics in Plant Science: Landscape Contracting II; (2 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Steven Cohan | Seats (Total: 15) |
| | Contact instructor or department for details. | |

**PLSC489N** **Special Topics in Plant Science; Communication in the Green Industry II**

**PLSC489N Special Topics in Plant Science: Communication in the Green Industry II; (2 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Steven Cohan | Seats (Total: 16) |
| | Contact instructor or department for details. | |

**PLSC489Q** **Special Topics in Plant Science; Microbiology of Agricultural Systems**

**PLSC489Q Special Topics in Plant Science: Microbiology of Agricultural Systems; (1 credit)** Grade Method: REG/P-F/AUD.

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| 0101 | Shirley Micallef | Seats (Total: 10) |
| | Tu 11:00am - 12:15pm | PLS 1119 |

**PLSC489R** **Special Topics in Plant Science; Agricultural Mechanics**

**PLSC489R** *(PermReq)* **Special Topics in Plant Science: Agricultural Mechanics; (1-3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: ENBE200 or PLSC204 and permission of instructor.

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|---|---|---|---|
| 0101 | Roy Walls | Seats (Total: 5) | |
| | TBA | ANS 0504 | |
| | TBA | ANS 0504 | Lab |

**PLSC489T** **Special Topics in Plant Science; Seminars in Plant Science and Landscape Architecture**

**PLSC489T Special Topics in Plant Science: Seminars in Plant Science and Landscape Architecture; (1 credit)** Grade Method: REG/P-F/AUD.
Also offered as LARC489T.

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| 0101 | Instructor: TBA | Seats (Total: 60) |
| | W 4:00pm - 5:20pm | PLS 1130 |

**PLSC489V** **Special Topics in Plant Science; Fruit and Vegetable Production and Management**
**Contact department for information to register for this course.**

**PLSC489W** **Special Topics in Plant Science; Plant-Microbe Associations**

PLSC489W Special Topics in Plant Science: Plant-Microbe Associations;  (3 credits) Grade Method: REG/P-F/AUD. <br> Prerequisites: PLSC420 Principles of Plant Pathology and/or BSCI442 Plant Physiology are encouraged but not required. For more information contact: Dr. James Culver: jculver@umd.edu<file:///C:/Users/xiao/Documen ts/Teaching-related/MPMI-graduate%20course%20at%20PSLA/jculver@umd.edu> or Dr. Shunyuan Xiao: xiao@umd.edu<file:///C:/Users/xiao/Documents/Teach ing-related/MPMI-graduate%20course%20at%20PSLA/xiao@umd.edu>. Comprehensive studies of the ecology, physiology and genetics of plant -microbe interactions along with their impact on society and surroundingecosystems. Students will also investigate the diverse array of pathogenic and symbiotic plant microbe interactions that occur in both agricultural and natural settings. Note: This course is co-taught at thegraduate level (PLSC689W). While requirements at the undergraduatelevelare significantly reduced, this course does represent a unique window into graduate level studies for those students who mightbe interested in pursuing an advanced degree. 

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| 0101 | Shunyuan Xiao, James Culver | Seats (Total: 12) |
| | TuTh 9:30am - 10:45am | PLS 1146 |

**PLSC608T** **Research Methods; Supervised Teaching**

**PLSC608T Research Methods: Supervised Teaching; (2 credits)** Grade Method: REG/AUD.

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| 0101 | Marla McIntosh | Seats (Total: 5) |
| | Contact instructor or department for details. | |
| 5201 | Christopher Walsh | Seats (Total: 5) |
| | Contact instructor or department for details. | |

**PLSC689C** **Special Topics; Conservation Biology**

**PLSC689C** *(PermReq)* **Special Topics: Conservation Biology; (1-3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department.

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| 0101 | Maile Neel | Seats (Total: 8) |
| | Contact instructor or department for details. | |

**PLSC689I** **Special Topics; Issues in Sustainability: Clashing Views**

**PLSC689I Special Topics: Issues in Sustainability: Clashing Views; (3 credits)** Grade Method: REG/AUD.
Also offered as MEES698I.

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| 0101 | Marla McIntosh<br>Th 3:30pm - 6:30pm | Seats (Total: 20)<br>PLS 1176 |

**PLSC689T** **Special Topics; Tree Genomics**

**PLSC689T Special Topics: Tree Genomics; (1-3 credits)** Grade Method: REG/AUD.

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| 0101 | Gary Coleman<br>Contact instructor or department for details. | Seats (Total: 15) |

**PLSC689W** **Special Topics; Plant-Microbe Associations**

**PLSC689W Special Topics: Plant-Microbe Associations; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Shunyuan Xiao, James Culver<br>TuTh 9:30am - 10:45am | Seats (Total: 12)<br>PLS 1146 |

**PLSC789E** **Advances in Research; Plant Environment Interactions**

**PLSC789E Advances in Research: Plant Environment Interactions; (1 credit)** Grade Method: REG/AUD.

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| 0101 | Gary Coleman<br>F 3:00pm - 4:50pm | Seats (Total: 10)<br>PLS 1162 |

**PLSC789M** **Advances in Research; Plant Membrane Biology**

**PLSC789M Advances in Research: Plant Membrane Biology; (1 credit)** Grade Method: REG/AUD.

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| 0101 | Angus Murphy, Wendy Peer<br>Tu 9:30am - 10:45am | Seats (Total: 10)<br>PLS 1176 |

**PLSC798** **Graduate Seminar**

**PLSC798 Graduate Seminar; (1 credit)** Grade Method: REG/AUD.

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| 0101 | Gary Coleman | Seats (Total: 40) |
| | M 4:00pm - 5:30pm | PLS 1130 |

**PLSC799** **Master's Thesis Research**

**PLSC799 Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**PLSC898** **Pre-Candidacy Research**

**PLSC898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**PLSC899** **Doctoral Dissertation Research**

**PLSC899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# PORT Portuguese Spring 2013

**PORT204** **Intensive Intermediate Portuguese**

**PORT204 Intensive Intermediate Portuguese; (4 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PORT104; or must have appropriate Foreign Language Placement Test (FLPT) score.* Covers speaking, reading, writing, listening, and culture of Portuguese-speaking world.

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| 0101 | Julia Tomasini | Seats (Total: 25) |
| | TuTh 11:00am - 12:15pm<br>W 11:00am - 11:50am | JMZ 1122<br>HBK 0109 |

**PORT207** **Advanced Reading, Writing, Conversation in Portuguese**

**PORT207 Advanced Reading, Writing, Conversation in Portuguese; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PORT205; or students who have taken courses with comparable content may contact the department. Restriction: Not open to native/fluent speakers of Portuguese.* Advanced practice of oral and written Portuguese. Reading and discussions of texts, review of grammar, and vocabulary practice.

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| 0101 | Talia Guzman-Gonzalez<br>TuTh 12:30pm - 1:45pm | Seats (Total: 20)<br>JMZ 2123 |

**PORT235** **Issues in Latin American Studies II**

**PORT235 Issues in Latin American Studies II; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course.
*Also offered as: SPAN235, LASC235. Credit only granted for: PORT235, or SPAN235, or LASC235.* Major issues shaping Latin American and Caribbean societies including the changing constructions of race, ethnicity, gender and class as well as expressions of popular cultures and revolutionary practices. A continuation of PORT/LASC/SPAN 234, but completion of 234 is not a prerequisite. Taught in English.

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| 0101 | Alan Dillingham<br>TuTh 11:00am - 12:15pm | Seats (Total: 35)<br>KEY 0125 |
| 0201 | Shari Orisich<br>MW 11:00am - 12:15pm | Seats (Total: 35)<br>KEY 0125 |

**PORT386** **Experiential Learning**

**PORT386** *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
*Restriction: Permission of ARHU-School of Languages, Literatures, and Cultures department; and junior standing or higher.*

**Contact department for information to register for this course.**

**PORT388B** **Special Topics in Brazilian Studies; Exploring Cultural Representations of Brazil**

**PORT388B Special Topics in Brazilian Studies: Exploring Cultural Representations of Brazil; (3 credits)** Grade Method: REG/P-F/AUD. Also offered as LASC348B.

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| 0101 | Talia Guzman-Gonzalez | Seats (Total: 35) |
| | TuTh 2:00pm - 3:15pm | KEY 0125 |

**PORT399** **Independent Study in Portuguese**

**PORT399** *(PermReq)* **Independent Study in Portuguese; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# PSYC Psychology Spring 2013

**PSYC100** **Introduction to Psychology**

*The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.*

*The Department of Psychology enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.*

**PSYC100 Introduction to Psychology; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Natural Sciences.

A basic introductory course, intended to bring the student into contact with the major problems confronting psychology and the more important attempts at their solution. Discussion sections do not meet until after first lecture. Research requirement: may involve participation in research. Click here for course syllabus.

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|---|---|---|---|
| 0101 | Ryan Curtis | Seats (Total: 30) | |
| | MW 4:00pm - 4:50pm | BRB 1101 | |
| | F 8:00am - 8:50am | BPS 1238 | Discussion |
| | Class time/details on ELMs | ONLINE | Discussion |

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| 0102 | Ryan Curtis | Seats (Total: 30) | |
| | MW 4:00pm - 4:50pm<br>F 11:00am - 11:50am<br>Class time/details on ELMs | BRB 1101<br>BPS 1238<br>ONLINE | <br>Discussion<br>Discussion |
| 0103 | Ryan Curtis | Seats (Total: 30) | |
| | MW 4:00pm - 4:50pm<br>F 11:00am - 11:50am<br>Class time/details on ELMs | BRB 1101<br>BPS 1236<br>ONLINE | <br>Discussion<br>Discussion |
| 0104 | Ryan Curtis | Seats (Total: 30) | |
| | MW 4:00pm - 4:50pm<br>F 2:00pm - 2:50pm<br>Class time/details on ELMs | BRB 1101<br>BPS 1236<br>ONLINE | <br>Discussion<br>Discussion |
| 0105 | Ryan Curtis | Seats (Total: 30) | |
| | MW 4:00pm - 4:50pm<br>F 3:00pm - 3:50pm<br>Class time/details on ELMs | BRB 1101<br>BPS 1236<br>ONLINE | <br>Discussion<br>Discussion |
| 0106 | Ryan Curtis | Seats (Total: 30) | |
| | MW 4:00pm - 4:50pm<br>F 8:00am - 8:50am<br>Class time/details on ELMs | BRB 1101<br>BPS 1238<br>ONLINE | <br>Discussion<br>Discussion |
| 0107 | Ryan Curtis | Seats (Total: 30) | |
| | MW 4:00pm - 4:50pm<br>F 11:00am - 11:50am<br>Class time/details on ELMs | BRB 1101<br>BPS 1238<br>ONLINE | <br>Discussion<br>Discussion |
| 0108 | Ryan Curtis | Seats (Total: 30) | |
| | MW 4:00pm - 4:50pm<br>F 11:00am - 11:50am<br>Class time/details on ELMs | BRB 1101<br>BPS 1236<br>ONLINE | <br>Discussion<br>Discussion |
| 0109 | Ryan Curtis | Seats (Total: 30) | |
| | MW 4:00pm - 4:50pm<br>F 2:00pm - 2:50pm<br>Class time/details on ELMs | BRB 1101<br>BPS 1236<br>ONLINE | <br>Discussion<br>Discussion |

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|---|---|---|---|
| 0110 | Ryan Curtis | Seats (Total: 30) | |
| | MW 4:00pm - 4:50pm<br>F 3:00pm - 3:50pm<br>Class time/details on ELMs | BRB 1101<br>BPS 1236<br>ONLINE | <br>Discussion<br>Discussion |
| 0201 | Ryan Curtis | Seats (Total: 30) | |
| | TuTh 3:30pm - 4:20pm<br>F 9:00am - 9:50am<br>Class time/details on ELMs | BRB 1101<br>BPS 0283<br>ONLINE | <br>Discussion<br>Discussion |
| 0202 | Ryan Curtis | Seats (Total: 30) | |
| | TuTh 3:30pm - 4:20pm<br>F 10:00am - 10:50am<br>Class time/details on ELMs | BRB 1101<br>BPS 0283<br>ONLINE | <br>Discussion<br>Discussion |
| 0203 | Ryan Curtis | Seats (Total: 30) | |
| | TuTh 3:30pm - 4:20pm<br>F 11:00am - 11:50am<br>Class time/details on ELMs | BRB 1101<br>BPS 0283<br>ONLINE | <br>Discussion<br>Discussion |
| 0204 | Ryan Curtis | Seats (Total: 30) | |
| | TuTh 3:30pm - 4:20pm<br>F 12:00pm - 12:50pm<br>Class time/details on ELMs | BRB 1101<br>BPS 0283<br>ONLINE | <br>Discussion<br>Discussion |
| 0205 | Ryan Curtis | Seats (Total: 30) | |
| | TuTh 3:30pm - 4:20pm<br>F 3:00pm - 3:50pm<br>Class time/details on ELMs | BRB 1101<br>BPS 0283<br>ONLINE | <br>Discussion<br>Discussion |
| 0206 | Ryan Curtis | Seats (Total: 30) | |
| | TuTh 3:30pm - 4:20pm<br>F 9:00am - 9:50am<br>Class time/details on ELMs | BRB 1101<br>BPS 0283<br>ONLINE | <br>Discussion<br>Discussion |
| 0207 | Ryan Curtis | Seats (Total: 30) | |
| | TuTh 3:30pm - 4:20pm<br>F 10:00am - 10:50am<br>Class time/details on ELMs | BRB 1101<br>BPS 0283<br>ONLINE | <br>Discussion<br>Discussion |

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| 0208 | Ryan Curtis<br>TuTh 3:30pm - 4:20pm<br>F 11:00am - 11:50am<br>Class time/details on ELMs | Seats (Total: 30)<br>BRB 1101<br>BPS 0283<br>ONLINE | <br><br>Discussion<br>Discussion |
| 0209 | Ryan Curtis<br>TuTh 3:30pm - 4:20pm<br>F 12:00pm - 12:50pm<br>Class time/details on ELMs | Seats (Total: 30)<br>BRB 1101<br>BPS 0283<br>ONLINE | <br><br>Discussion<br>Discussion |
| 0210 | Ryan Curtis<br>TuTh 3:30pm - 4:20pm<br>F 3:00pm - 3:50pm<br>Class time/details on ELMs | Seats (Total: 30)<br>BRB 1101<br>BPS 0283<br>ONLINE | <br><br>Discussion<br>Discussion |

**PSYC100H** **Introduction to Psychology**

**PSYC100H** *(PermReq)* **Introduction to Psychology; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Natural Sciences.
A basic introductory course, intended to bring the student into contact with the major problems confronting psychology and the more important attempts at their solution. For honors students only. Click here for course syllabus.

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| 0101 | Steven Brauth<br>TuTh 11:00am - 12:15pm | Seats (Total: 30)<br>PLS 1111 |

**PSYC200** **Statistical Methods in Psychology**

**PSYC200 Statistical Methods in Psychology; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Analytic Reasoning.
*Prerequisite: PSYC100; and 1 course with a minimum grade of C- from (MATH220, STAT100, MATH111, MATH130, MATH140). Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200, or SOCY201.* A basic introduction to quantitative methods used in psychological research. Restricted to PSYC, ENSP and BSCI majors. All other majors require permission in BPS 1107. Clickhere for course syllabus.

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| 0101 | Tracy Tomlinson<br>TuTh 8:00am - 9:15am<br>F 9:00am - 9:50am | Seats (Total: 30)<br>BPS 1250<br>BPS 1238 | <br><br>Discussion |
| 0102 | Tracy Tomlinson<br>TuTh 8:00am - 9:15am<br>F 10:00am - 10:50am | Seats (Total: 30)<br>BPS 1250<br>BPS 1238 | <br><br>Discussion |
| 0103 | Tracy Tomlinson<br>TuTh 8:00am - 9:15am<br>F 12:00pm - 12:50pm | Seats (Total: 30)<br>BPS 1250<br>BPS 1238 | <br><br>Discussion |
| 0104 | Tracy Tomlinson<br>TuTh 8:00am - 9:15am<br>F 1:00pm - 1:50pm | Seats (Total: 30)<br>BPS 1250<br>BPS 1238 | <br><br>Discussion |
| 0105 | Tracy Tomlinson<br>TuTh 8:00am - 9:15am<br>F 8:00am - 8:50am | Seats (Total: 30)<br>BPS 1250<br>BPS 1232 | <br><br>Discussion |
| 0201 | Tracy Tomlinson<br>TuTh 9:30am - 10:45am<br>F 9:00am - 9:50am | Seats (Total: 29)<br>BPS 1243<br>BPS 1236 | <br><br>Discussion |
| 0202 | Tracy Tomlinson<br>TuTh 9:30am - 10:45am<br>F 10:00am - 10:50am | Seats (Total: 29)<br>BPS 1243<br>BPS 1236 | <br><br>Discussion |
| 0203 | Tracy Tomlinson<br>TuTh 9:30am - 10:45am<br>F 12:00pm - 12:50pm | Seats (Total: 29)<br>BPS 1243<br>BPS 1236 | <br><br>Discussion |
| 0204 | Tracy Tomlinson<br>TuTh 9:30am - 10:45am<br>F 1:00pm - 1:50pm | Seats (Total: 30)<br>BPS 1243<br>BPS 1236 | <br><br>Discussion |

**PSYC221 Social Psychology**

**PSYC221 Social Psychology; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences or Distributive Studies - Scholarship in Practice.
*Prerequisite: PSYC100.* The influence of social factors on the individual and on interpersonal behavior. Includes topics such as conformity, attitude change, person perception, interpersonal attraction, and group behavior. Click here for course syllabus.

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| 0101 | Dylan Selterman<br>MW 2:00pm - 2:50pm<br>F 2:00pm - 2:50pm | Seats (Total: 150)<br>BRB 1101<br>BRB 1101 | <br><br>Discussion |
| 0201 | Dylan Selterman<br>MW 3:00pm - 3:50pm<br>F 3:00pm - 3:50pm | Seats (Total: 150)<br>BRB 1101<br>BRB 1101 | <br><br>Discussion |
| HSWJ | Jarrod Hyman<br>TuTh 7:35am - 8:50am<br>*Restricted to Young Scholars students. Enrollment by Office of Extended Studies permission only.* | Seats (Total: 0)<br>Location: TBA | |

**PSYC238R** **Special Topics in Study Abroad II; Psychology of Resistance**
**Contact department for information to register for this course.**

**PSYC289D** **Living the Good Life: The Psychology of Happiness**

**PSYC289D Living the Good Life: The Psychology of Happiness; (3 credits)**
Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
What are the secrets to living a happy life? This course will introduce students to contemporary scientific approaches to studying age-old questions about how to get happy.

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| 0101 | Nazish Salahuddin<br>TuTh 12:30pm - 1:45pm | Seats (Total: 117)<br>BPS 1243 | |

**PSYC300** **Research Methods in Psychology Laboratory**

**PSYC300 Research Methods in Psychology Laboratory; (4 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. *Prerequisite: PSYC200. Restriction: Must be in Psychology program. Credit only granted for: PSYC300 or PSYC309R. Formerly: PSYC309R.* A general introduction and overview to the fundamental theoretical, conceptual, and practical issues in psychological research in both the laboratory and the field. Click here for course syllabus.

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| 0101 | Anna Sheveland<br>MW 1:00pm - 1:50pm<br>W 2:00pm - 3:50pm | Seats (Total: 16)<br>BPS 1250<br>BPS 1232 | Discussion |
| 0102 | Anna Sheveland<br>MW 1:00pm - 1:50pm<br>W 4:00pm - 5:50pm | Seats (Total: 16)<br>BPS 1250<br>BPS 1103 | Discussion |
| 0103 | Anna Sheveland<br>MW 1:00pm - 1:50pm<br>Th 2:00pm - 3:50pm | Seats (Total: 16)<br>BPS 1250<br>BPS 1228 | Discussion |
| 0104 | Anna Sheveland<br>MW 1:00pm - 1:50pm<br>Th 10:00am - 11:50am | Seats (Total: 16)<br>BPS 1250<br>BPS 1112 | Discussion |
| 0106 | Anna Sheveland<br>MW 1:00pm - 1:50pm<br>F 2:00pm - 3:50pm | Seats (Total: 16)<br>BPS 1250<br>BPS 1112 | Discussion |
| 0108 | Anna Sheveland<br>MW 1:00pm - 1:50pm<br>Th 4:00pm - 5:50pm | Seats (Total: 16)<br>BPS 1250<br>BPS 1228 | Discussion |
| 0201 | Catalina Kopetz<br>MW 12:00pm - 12:50pm<br>W 2:00pm - 3:50pm | Seats (Total: 16)<br>BPS 1250<br>BPS 1234 | Discussion |
| 0202 | Catalina Kopetz<br>MW 12:00pm - 12:50pm<br>M 8:00am - 9:50am | Seats (Total: 16)<br>BPS 1250<br>BPS 1232 | Discussion |

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| 0203 | Catalina Kopetz<br>MW 12:00pm - 12:50pm<br>F 8:00am - 9:50am | Seats (Total: 16)<br>BPS 1250<br>BPS 1234 | Discussion |
| 0204 | Catalina Kopetz<br>MW 12:00pm - 12:50pm<br>F 2:00pm - 3:50pm | Seats (Total: 16)<br>BPS 1250<br>BPS 1228 | Discussion |
| 0205 | Catalina Kopetz<br>MW 12:00pm - 12:50pm<br>W 4:00pm - 5:50pm | Seats (Total: 16)<br>BPS 1250<br>BPS 1112 | Discussion |
| 0206 | Catalina Kopetz<br>MW 12:00pm - 12:50pm<br>Th 2:00pm - 3:50pm | Seats (Total: 16)<br>BPS 1250<br>BPS 1234 | Discussion |

**PSYC301** **Biological Basis of Behavior**

**PSYC301 Biological Basis of Behavior; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: PSYC100 and BSCI105.* An introduction to the anatomical structures and physiological processes that determine behavior. After a study of the basic functioning of the nervous system, the course will examine the acquisition and processing of sensory information, the neural control of movement, and the biological bases of complex behaviors such as sleep, learning, memory, sex, language, and addiction. Restricted to PSYC (major code 20010) students only. Click here for course syllabus.

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|---|---|---|---|
| 0101 | David Yager<br>TuTh 12:30pm - 1:45pm | Seats (Total: 150)<br>BPS 1250 | |

**PSYC309C** **Special Topics in Psychology; Major Transitions**

**PSYC309C Special Topics in Psychology: Major Transitions; (1 credit)** Grade Method: REG/P-F/AUD.
For PSYC majors only. An investigation of various career and graduate school opportunities available to psychology majors. Students will learn about a wide range of career fields, will learn how to utilize available resources to pursue career goals, and will take steps to advance their professional identity and development.

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| 0101 | Kevin McGann | Seats (Total: 20) |
| | W 9:00am - 9:50am | BPS 3132 |

**PSYC309E** **Special Topics in Psychology; Topics in Neural Systems and Behavior**

**PSYC309E** *(PermReq)* **Special Topics in Psychology: Topics in Neural Systems and Behavior; (1 credit)** Grade Method: REG/P-F/AUD.
A discussion of readings in systems neuroscience and animal behavior to provide a foundation for students pursuing research projects in the Auditory Neuroethology lab. Permission of instructor required.

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| 0101 | Cynthia Moss | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**PSYC309F** **Special Topics in Psychology; Animal Learning and Behavior**

**PSYC309F Special Topics in Psychology: Animal Learning and Behavior; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PSYC100 and BSCI105. For PSYC majors only.

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| 0101 | Matthew Roesch | Seats (Total: 40) |
| | MW 2:00pm - 3:15pm | BPS 0283 |

**PSYC309G** **Special Topics in Psychology; Introduction to Cognitive Neuroscience**

**PSYC309G Special Topics in Psychology: Introduction to Cognitive Neuroscience; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PSYC301. Restricted to PSYC (major code 20010) students only. What are the biological foundations of the mind? Cognitive Neuroscience, a relatively new field of research, aims to answer this question. This course will give you an introductory overview about how the brain enables behavior, as well as the methods that cognitive neuroscientists use.

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| 0101 | Susanne Jaeggi | Seats (Total: 20) |
| | MWF 11:00am - 11:50am | BPS 3132 |

**PSYC309H** **Special Topics in Psychology; Developmental Cognitive Neuroscience**

**PSYC309H Special Topics in Psychology: Developmental Cognitive Neuroscience; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to PSYC (major code 20010) students only. Prerequisite: PSYC355 or PSYC301. Developmental cognitive/social neuroscience is the study of how the brain underlies the acquisition, refinement, and maintenance of complex cognitive and social abilities. The goal of this course is to gain an understanding of current research, methods, and theories in developmental cognitive/social neuroscience through lecture and discussion.

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| 0101 | Elizabeth Redcay<br>TuTh 9:30am - 10:45am | Seats (Total: 24)<br>BPS 1124 |

**PSYC309J** **Special Topics in Psychology; Development of Child and Adolescent Attachment**

**PSYC309J Special Topics in Psychology: Development of Child and Adolescent Attachment; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to PSYC (major code 20010) students only. Overview of the field of attachment from infancy through adolescence, examining theory, research methods, research findings, and clinical implications. Students will observe videos of attachment assessments, discuss readings, and make presentations.

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| 0101 | Jude Cassidy<br>TuTh 11:00am - 12:15pm | Seats (Total: 20)<br>BPS 1103 |

**PSYC309K** **Special Topics in Psychology; Forensic Psychology**

**PSYC309K Special Topics in Psychology: Forensic Psychology; (3 credits)** Grade Method: REG/P-F/AUD.

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| SG91 | Robin Shusko<br>MW 11:00am - 12:15pm<br>*Limited to CCJS students at Shady Grove.* | Seats (Total: 40)<br>BLD3 3225 |

**PSYC309L** **Special Topics in Psychology; Personality and Social Psychology**
**Contact department for information to register for this course.**

**PSYC310** **Perception**

**PSYC310 Perception; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PSYC100; and (CHEM103, PHYS121, BSCI106, or BSCI105). Restriction: Must not have completed PSYC410.* A survey of phenomena and theories of perception including psychological, anatomical, physiological, and environmental factors important in determining how we perceive the world. Historical background will be examined as well as contemporary research. Restricted to PSYC (major code 20010) students only.

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| 0101 | Brian Spiering | Seats (Total: 150) |
| | MWF 11:00am - 11:50am | BPS 1250 |

**PSYC319D** **Community Interventions: Service Learning**

**PSYC319D** *(PermReq)* **Community Interventions: Service Learning; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: permission of instructor required and PSYC318.

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| 0101 | Karen O'Brien | Seats (Total: 16) |
| | MW 8:00am - 9:15am | BPS 1103 |

**PSYC330** **Child Psychopathology**

**PSYC330 Child Psychopathology; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PSYC100. Restriction: Must be in Psychology program. Credit only granted for: PSYC309B or PSYC330. Formerly: PSYC309B.* Etiology, diagnosis, prevention and treatment of emotional disorders of childhood and adolescence. Restricted to PSYC (major code 20010) students only.

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| 0101 | Lea Dougherty | Seats (Total: 40) |
| | TuTh 2:00pm - 3:15pm | BPS 0283 |

**PSYC332** **Psychology of Human Sexuality**

**PSYC332 Psychology of Human Sexuality; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PSYC100.* A survey of historical and contemporary psychological views on a wide variety of sexual behaviors; theory and research bearing on the relationship between life span psychological development, psychological functioning, interpersonal processes and sexual behaviors; political and social issues involved in current sexual norms and practices. Restricted to PSYC (major code 20010) students only.

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| 0101 | Cristina Risco | Seats (Total: 40) |
| | TuTh 4:00pm - 5:15pm | PLS 1140 |

**PSYC334** **Psychology of Interpersonal Relationships**

**PSYC334 Psychology of Interpersonal Relationships; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PSYC100.* Research, theory and their practical applications pertaining to the development, maintenance and dissolution of human relationships. Processes critical to successful relating (e.g., communication, bargaining, conflict resolution), and issues associated with troubled dyadic relations with equal partners (e.g., jealousy, spouse abuse, divorce). Restricted to PSYC (major code 20010) students only. Click here for course syllabus.

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| 0101 | Dylan Selterman | Seats (Total: 150) |
| | TuTh 2:00pm - 3:15pm | BPS 1250 |

**PSYC336** **Psychology of Women**

**PSYC336 Psychology of Women; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences.
*Prerequisite: PSYC100. Also offered as: WMST336. Credit only granted for: PSYC336 or WMST336.* A survey of the biology, life span development, socialization, personality, mental health, and special issues of women. Restricted to PSYC (major code 20010) students only. Click here for course syllabus.

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| 0101 | Nazish Salahuddin | Seats (Total: 150) |
| | TuTh 11:00am - 12:15pm | JMZ 0220 |

**PSYC338A** **Special Topics in Study Abroad III; Applied Psychology**
**Contact department for information to register for this course.**

**PSYC338C** **Special Topics in Study Abroad III; Psychology and Criminal Behavior**
**Contact department for information to register for this course.**

**PSYC338D** **Special Topics in Study Abroad III; Developmental Disorders**
**Contact department for information to register for this course.**

**PSYC338G** **Special Topics in Study Abroad III; The Socical Brain: Neuropsychology of Social Behaviors**
**Contact department for information to register for this course.**

**PSYC338L** **Special Topics in Study Abroad III; Dynamic Project Leadership**
**Contact department for information to register for this course.**

**PSYC338N** **Special Topics in Study Abroad III; Neuroscience of Fear**
**Contact department for information to register for this course.**

**PSYC338P** **Special Topics in Study Abroad III; Positive Psychology**
**Contact department for information to register for this course.**

**PSYC341** **Introduction to Memory and Cognition**

**PSYC341 Introduction to Memory and Cognition; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PSYC200 and PSYC300.* An introduction to the basic models, methods of research, and findings in memory, problem-solving, and language and their applications. Restricted to PSYC (major code 20010) students only. Click here for course syllabus.

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| 0101 | Erika Hussey, Michael Dougherty | Seats (Total: 115) |
| | MWF 10:00am - 10:50am | BPS 1243 |

**PSYC353** **Adult Psychopathology**

**PSYC353 Adult Psychopathology; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PSYC200. Restriction: Must be in Psychology program.* The nature, diagnosis, etiology, and treatment of mental disorders. Restricted to PSYC (major code 20010) students only. Click here for course syllabus.

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| 0101 | Richard Yi | Seats (Total: 150) |
| | TuTh 2:00pm - 3:15pm | LEF 2205 |

**PSYC354** **Cross-Cultural Psychology**

**PSYC354 Cross-Cultural Psychology; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences.
*Prerequisite: PSYC100.* Cultural components in theory and research in personality, social, and community psychology. Interplay of individual, ethnic, and cultural factors in psychosocial growth and well-being, cross-cultural and cross-ethnic communication, and counseling and psychotherapeutic interactions. Click here for course syllabus.

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| 0101 | Susan Lee | Seats (Total: 150) |
| | MWF 11:00am - 11:50am | PHY 1410 |

**PSYC355** **Developmental Psychology**

**PSYC355 Developmental Psychology; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PSYC100.* Survey of research and theory of psychological development from conception through childhood, stressing physiological, conceptual and behavioral changes, and the social and biological context in which individuals develop. Restricted to PSYC (major code 20010) students only.

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| 0101 | Laura Sherman | Seats (Total: 150) |
| | TuTh 3:30pm - 4:45pm | BPS 1250 |

**PSYC361** **Survey of Industrial and Organizational Psychology**

**PSYC361 Survey of Industrial and Organizational Psychology; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PSYC100.* A general survey of the field of industrial organizational psychology including such topics as organizational entry (recruitment, selection, training, socialization); organizational psychology (motivation, leadership, job attitudes); and productivity in the work place (performance appraisal, absenteeism, turnover). The role that the larger environment plays in influencing work behaviors and work attitudes. Restricted to PSYC (major code 20010) students only.

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| 0101 | Margaret Miller<br>Th 8:00am - 9:15am<br>Class time/details on ELMs | Seats (Total: 100)<br>BPS 1243<br>ONLINE | |

**PSYC386** **Experiential Learning**
**Contact department for information to register for this course.**

**PSYC389** **Experiential Learning**

**PSYC389** *(PermReq)* **Experiential Learning; (1-6 credits)** Grade Method: REG/P-F/AUD.
For PSYC majors only. A course for undergraduate psychology majors to earn academic credit for an approved psychology-related internship experience. Information about the course may be obtained in BPS1107, or by contacting the instructor.

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| 0101 | Steven Young<br>Contact instructor or department for details. | Seats (Total: 20) | |

**PSYC401** **Biological Bases of Behavior Laboratory**

**PSYC401** *(PermReq)* **Biological Bases of Behavior Laboratory; (4 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PSYC300 and PSYC301. Restriction: Permission of instructor; and must be in Psychology program; and must have earned a minimum of 85 credits.* A laboratory course to introduce students to some of the basic physiological and anatomical techniques of contemporary neuroscience. Exercises look at specific neurons or groups of neurons and how they control such simple behaviors as swimming, prey capture, and species recognition. The lab exercises use living invertebrates and cold-blooded vertebrates.

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| 0101 | David Yager<br>MW 9:00am - 9:50am<br>M 1:00pm - 5:00pm | Seats (Total: 8)<br>BPS 1236<br>BPS 0263 | <br><br>Lab |
| 0201 | David Yager<br>MW 9:00am - 9:50am<br>Tu 1:00pm - 5:00pm | Seats (Total: 8)<br>BPS 1236<br>BPS 0263 | <br><br>Lab |

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| 0301 | David Yager | Seats (Total: 8) | |
| | MW 9:00am - 9:50am<br>W 1:00pm - 5:00pm | BPS 1236<br>BPS 0263 | <br>Lab |

**PSYC402** **Neural Systems and Behavior**

**PSYC402 Neural Systems and Behavior; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PSYC301. Additional information: Priority is given to PSYC majors.* Research on the physiological basis of behavior, including considerations of sensory phenomenon, motor coordination, emotion, drives, and the neurological basis of memory. Restricted to PSYC (major code 20010) students only.

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| 0101 | Steven Brauth | Seats (Total: 42) |
| | TuTh 12:30pm - 1:45pm | BPS 1236 |

**PSYC404** **Introduction to Behavioral Pharmacology**

**PSYC404 Introduction to Behavioral Pharmacology; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PSYC301. Restriction: Must be in Psychology program.* Theoretical viewpoints on the interaction of drugs and behavior. Basic principles of pharmacology, the effects of drugs on various behaviors, experimental analysis of drug dependence and abuse, and neuropharmacology and behavior.

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| 0101 | Frank Hall | Seats (Total: 40) |
| | Th 5:00pm - 7:30pm | BPS 0283 |

**PSYC406** **Neuroethology**

**PSYC406 Neuroethology; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PSYC301. Restriction: Must be in Psychology program.* A merger between the disciplines of neuroscience and ethology (animal behavior) studies the behavioral functions of nervous systems using a comparative and evolutionary approach. Students will learn how the nervous system controls behavioral patterns in a variety of different organisms ranging from insects to mammals. Restricted to PSYC (major code 20010) students only.

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| 0101 | Jens Herberholz | Seats (Total: 40) |
| | TuTh 2:00pm - 3:15pm | WDS 1114 |

**PSYC409** **Topics in Neurosciences Seminar**

**PSYC409 Topics in Neurosciences Seminar; (1 credit)** Grade Method: S-F. Also offered as PSYC789C. Restricted to students in the Minor in Neurosciences. Prerequisite: permission of department. Junior standing. Repeatable to 4 credits if content differs. For PSYC majors only. A course for undergraduate psychology majors to earn academic credit for an approved psychology-related internship experience. Information about the course may be obtained in BPS1107, or by contacting the instructor.

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| 0101 | Catherine Carr, Cynthia Moss<br>Tu 4:00pm - 5:30pm | Seats (Total: 20)<br>BPS 1142 | |

**PSYC420** **Experimental Psychology: Social Psychology Laboratory**

**PSYC420 Experimental Psychology: Social Psychology Laboratory; (4 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PSYC300 and PSYC221. Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits.* A laboratory course to provide a basic understanding of experimental method in social psychology and experience in conducting research on social processes. Restricted to PSYC (major code 20010) students only. Click here for course syllabus.

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|---|---|---|---|
| 0101 | Dylan Selterman<br>MW 10:00am - 10:50am<br>Th 8:00am - 9:50am | Seats (Total: 16)<br>BPS 1236<br>BPS 1234 | <br><br>Lab |
| 0102 | Dylan Selterman<br>MW 10:00am - 10:50am<br>F 10:00am - 11:50am | Seats (Total: 16)<br>BPS 1236<br>BPS 1228 | <br><br>Lab |
| 0201 | Kristen Klein<br>MW 11:00am - 11:50am<br>F 12:00pm - 1:50pm | Seats (Total: 16)<br>BPS 1236<br>BPS 1228 | <br><br>Lab |
| 0202 | Kristen Klein<br>MW 11:00am - 11:50am<br>F 2:00pm - 3:50pm | Seats (Total: 16)<br>BPS 1236<br>BPS 1232 | <br><br>Lab |

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| 0301 | Jocelyn Belanger<br>MW 1:00pm - 1:50pm<br>Th 12:00pm - 1:50pm | Seats (Total: 16)<br>BPS 1238<br>BPS 1232 | <br><br>Lab |
| 0302 | Jocelyn Belanger<br>MW 1:00pm - 1:50pm<br>Th 8:00am - 9:50am | Seats (Total: 16)<br>BPS 1238<br>BPS 3132 | <br><br>Lab |

**PSYC424** **Communication and Persuasion**

**PSYC424** *(PermReq)* **Communication and Persuasion; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice.
*Prerequisite: PSYC221 and PSYC200.* Effect of social communication upon behavior and attitudes. Theory and research concerning attitude change and social influence. Restricted to PSYC (major code 20010) students only. Click here for more course information, and to obtai n register.

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| 0101 | Scott Roberts<br>TuTh 9:30am - 10:45am | Seats (Total: 40)<br>BPS 0283 |

**PSYC432** **Counseling Psychology: Theories, Research, and Practice**

**PSYC432 Counseling Psychology: Theories, Research, and Practice; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PSYC200.* Analysis of research and intervention strategies developed and used by counseling psychologists. Historical and current trends in content and methodology. Restricted to PSYC (major code 20010) students only.

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| 0101 | Kathryn Ziemer<br>TuTh 12:30pm - 1:45pm | Seats (Total: 40)<br>HBK 0103 |
| 0201 | Andres Perez Rojas<br>TuTh 4:00pm - 5:15pm | Seats (Total: 40)<br>TYD 2102 |

**PSYC433** **Basic Helping Skills: Research and Practice**

**PSYC433 Basic Helping Skills: Research and Practice; (4 credits)** Grade Method: REG.
*Prerequisite: PSYC300; and (PSYC434, PSYC334, PSYC353, PSYC435, PSYC436, or PSYC432). Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits.* Theories and research regarding effective helping skills. Students will practice helping skills with each other and will conduct research projects evaluating their helping skills. Students should be willing to talk about personal issues in class. Because of the participatory nature of this class, attendance normally will be included in the computation of grades. Restricted to PSYC (major code 20010) students only. Click here for course syllabus.

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|---|---|---|---|
| 0101 | Sara Ericson<br>Tu 12:00pm - 2:00pm<br>Th 12:00pm - 2:00pm | Seats (Total: 12)<br>BPS 0283<br>BPS 0283 | <br><br>Lab |
| 0102 | Sara Ericson<br>Tu 12:00pm - 2:00pm<br>Th 12:00pm - 2:00pm | Seats (Total: 12)<br>BPS 0283<br>COL 0100 | <br><br>Lab |
| 0103 | Sara Ericson<br>Tu 12:00pm - 2:00pm<br>Th 12:00pm - 2:00pm | Seats (Total: 12)<br>BPS 0283<br>JMZ 1124 | <br><br>Lab |
| 0104 | Sara Ericson<br>Tu 12:00pm - 2:00pm<br>Th 12:00pm - 2:00pm | Seats (Total: 12)<br>BPS 0283<br>JMZ 0122 | <br><br>Lab |
| 0201 | Tsz-Yeung Chui<br>M 4:00pm - 6:00pm<br>W 4:00pm - 6:00pm | Seats (Total: 12)<br>SKN 0104<br>BPS 1124 | <br><br>Lab |
| 0202 | Tsz-Yeung Chui<br>M 4:00pm - 6:00pm<br>W 4:00pm - 6:00pm | Seats (Total: 12)<br>SKN 0104<br>BPS 1228 | <br><br>Lab |
| 0203 | Tsz-Yeung Chui<br>M 4:00pm - 6:00pm<br>W 10:00am - 12:00pm | Seats (Total: 12)<br>SKN 0104<br>BPS 1232 | <br><br>Lab |

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| 0204 | Tsz-Yeung Chui<br>M 4:00pm - 6:00pm<br>W 10:00am - 12:00pm | Seats (Total: 12)<br>SKN 0104<br>BPS 1228 | Lab |
| 0301 | Beatriz Palma Orellana<br>Tu 4:00pm - 6:00pm<br>Th 4:00pm - 6:00pm | Seats (Total: 12)<br>TYD 1114<br>BPS 1232 | Lab |
| 0302 | Beatriz Palma Orellana<br>Tu 4:00pm - 6:00pm<br>Th 4:00pm - 6:00pm | Seats (Total: 12)<br>TYD 1114<br>BPS 1124 | Lab |
| 0303 | Beatriz Palma Orellana<br>Tu 4:00pm - 6:00pm<br>Th 1:00pm - 3:00pm | Seats (Total: 12)<br>TYD 1114<br>MTH 1313 | Lab |
| 0304 | Beatriz Palma Orellana<br>Tu 4:00pm - 6:00pm<br>Th 1:00pm - 3:00pm | Seats (Total: 12)<br>TYD 1114<br>PHY 1402 | Lab |

**PSYC435** **Theories of Personality and Psychotherapy**
**Contact department for information to register for this course.**

**PSYC436** **Introduction to Clinical Psychology: From Science to Practice**

**PSYC436 Introduction to Clinical Psychology: From Science to Practice; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PSYC300.* Critical analysis of clinical psychology, with particular emphasis on current developments and trends. Restricted to PSYC (major code 20010) students only. Click here for course syllabus.

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| 0101 | Mary Byrne<br>TuTh 11:00am - 12:15pm | Seats (Total: 40)<br>BPS 1238 |
| 0201 | Earta Norwood<br>TuTh 3:30pm - 4:45pm | Seats (Total: 40)<br>BPS 1238 |

**PSYC437** **The Assessment and Treatment of Addictive Behaviors**
**Contact department for information to register for this course.**

**PSYC440** **Experimental Psychology: Cognitive Processes**

**PSYC440 Experimental Psychology: Cognitive Processes; (4 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PSYC341 and PSYC300. Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits.* A survey of the content, models, and methods in cognitive psychology with an emphasis on auditory and visual pattern recognition, information processing, attention, memory, learning, problem solving, and language. Restricted to PSYC (major code 20010) students only.

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|---|---|---|---|
| 0101 | Tracy Tomlinson<br>TuTh 12:30pm - 1:45pm<br>W 1:00pm - 3:00pm | Seats (Total: 20)<br>BPS 1238<br>BPS 0140 | <br><br>Lab |
| 0102 | Tracy Tomlinson<br>TuTh 12:30pm - 1:45pm<br>W 3:00pm - 5:00pm | Seats (Total: 20)<br>BPS 1238<br>BPS 0140 | <br><br>Lab |

**PSYC442** **Psychology of Language**

**PSYC442 Psychology of Language; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PSYC300 and PSYC341. Restriction: Must be in Psychology program.* Introductory survey of the psychology of language, focusing on the cognitive processes that enable us to produce and understand language. Topics include speech perception, speech production, syntactic processing, language development, language disorders, and the brain bases of language. Restricted to PSYC (major code 20010) students only.

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|---|---|---|
| 0101 | Robert Slevc<br>TuTh 9:30am - 10:45am | Seats (Total: 40)<br>BPS 1236 |

**PSYC444** **Cyberpsychology: The Psychology of Human/Computer Interactions**

**PSYC444 Cyberpsychology: The Psychology of Human/Computer Interactions; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: PSYC200. Credit only granted for: PSYC309E or PSYC444. Formerly: PSYC309E.* Explores traditional psychological processes in the rapidly changing world of computer and internet technologies. Students will address how the use of computers impacts many of the major topics in psychology. Restricted to PSYC (major code 20010) students only.

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|---|---|---|
| 0101 | Kent Norman<br>MWF 11:00am - 11:50am | Seats (Total: 36)<br>PLS 1129 |

**PSYC468H** **Field Experience and Special Assignments in Honors**

**PSYC468H Field Experience and Special Assignments in Honors; (1-3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Jack Blanchard<br>W 4:00pm - 4:50pm | Seats (Total: 20)<br>BPS 1232 |

**PSYC469H** **Honors Thesis Proposal Preparation**

**PSYC469H** *(PermReq)* **Honors Thesis Proposal Preparation; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Restricted to undergraduate PSYC majors only.

**Contact department for information to register for this course.**

**PSYC478** **Independent Study in Psychology**

**PSYC478** *(PermReq)* **Independent Study in Psychology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Information about independent study may be obtained in BPS 1107. Restricted to PSYC majors (20010) only. The student must have completed 9 hours in PSYC with at least a 3.0 GPA in PSYC and a 2.8 overall GPA. Click here for more course information.

**Contact department for information to register for this course.**

**PSYC479** **Special Research Problems in Psychology**

**PSYC479** *(PermReq)* **Special Research Problems in Psychology; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Information about research credit may be obtained in BPS 1107. Restricted to PSYC majors (20010) only. The student must have completed 9 hours in PSYC with at least a 3.0 GPA in PSYC and a 2.8 overall GPA. Click here for more course information.

**Contact department for information to register for this course.**

**PSYC489G** **Advanced Special Topics in Psychology; Hormones and Behavior**

**PSYC489G Advanced Special Topics in Psychology: Hormones and Behavior; (3 credits)** Grade Method: REG/P-F/AUD.
Formerly PSYC309Z. Prerequisite: PSYC301 or equivalent. For students who have not had PSYC301, written permission of the instructor and department is required. This lecture-based course is a study of the interactions among hormones, the brain, and behavior. Studying hormones and behavior is exciting, interdisciplinary, and involves understanding a wide range of phenomena - from single cells to complex behavior.

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|---|---|---|
| 0101 | Erica Glasper Andrews | Seats (Total: 30) |
| | MW 3:30pm - 4:45pm | BPS 1238 |

**PSYC489I** **Advanced Special Topics in Psychology; Group Behavior**

**PSYC489I Advanced Special Topics in Psychology: Group Behavior; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PSYC300. Restricted to PSYC (major code 20010) The goal of this course is to provide an in-depth review of research and theorizing about the social group. Topics include historical perspectives on the social group, group development and structure, group decision-making and performance, groups in society (i.e. juries, group psychotherapy, families, etc), group conflict, the formation and maintenance of prejudice, the development of social stereotypes, and the processes and outcomes of social categorization.

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|---|---|---|
| 0101 | Charles Stangor | Seats (Total: 20) |
| | M 1:00pm - 3:30pm | BPS 3132 |

**PSYC489K** **Advanced Special Topics in Psychology; Diversity in Organizations**

**PSYC489K Advanced Special Topics in Psychology: Diversity in Organizations; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PSYC300. Restricted to PSYC (major code 20010) students only. A focus on diversity in organizations, emphasizing both deep (e.g., values, culture) and demographic (e.g., ethnicity, gender) diversity. Students will be challenged to think differently and broadly about diversity and its impact and influence in the workplace from the perspective of both individuals and organizations.

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|---|---|---|
| 0101 | Rabiah Muhammad | Seats (Total: 20) |
| | TuTh 2:00pm - 3:15pm | BPS 1238 |

**PSYC489L** **Advanced Special Topics in Psychology; Motivation and Self-Regulation: From Basic Principles to Real World Phenomena**

**PSYC489L Advanced Special Topics in Psychology: Motivation and Self-Regulation: From Basic Principles to Real World Phenomena; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PSYC300. Restricted to PSYC (major code 20010) students only. The purpose of this seminar is to sample selectively some of the most important research ideas, theories and findings in this domain of motivation and self-regulation. We will discuss some of the basic principles, as well as their implications for real-world phenomena such as risk-taking, substance use, and eating behavior.

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|---|---|---|
| 0101 | Catalina Kopetz | Seats (Total: 20) |
| | W 3:00pm - 5:30pm | BPS 3132 |

**PSYC489M** **Advanced Special Topics in Psychology; The Biopsychology of Aggression**

**PSYC489M Advanced Special Topics in Psychology: The Biopsychology of Aggression; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: PSYC301. The primary goal of this seminar is to explore recent advances in the study of animal and human aggression. We will discuss the genetic contributions to aggression, the involvement of neuromodulators and hormones, the ontogeny of aggression and violence, and the psychopharmacology and psychophysiology of human aggression.

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| 0101 | Jens Herberholz | Seats (Total: 10) |
| | W 9:00am - 11:30am | BPS 1112 |

**PSYC499H** **Honors Thesis Research**

**PSYC499H** *(PermReq)* **Honors Thesis Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
In addition to the department and instructor, the director of the honors program may be contacted to obtain a section number. Prerequisite: permission of the thesis advisor. Permission may be obtained in BPS 1147. Restricted to undergraduate PSYC majors only.

**Contact department for information to register for this course.**

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**PSYC602** **Quantitative Methods II**

**PSYC602 Quantitative Methods II; (4 credits)** Grade Method: REG/AUD. *Prerequisite: PSYC601.* A continuation of PSYC 601. Topics include experimental design, analysis of variance, analysis of covariance, multiple regression, and general linear models. For all non-psychology graduate students, written permission of the instructor is required.

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|---|---|---|---|
| 0101 | Paul Hanges | Seats (Total: 23) | |
| | TuTh 9:00am - 11:00am | BPS 1232 | |
| | Th 5:00pm - 7:00pm | PLS 1129 | Lab |

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**PSYC606** **Human Biopsychology**

**PSYC606 Human Biopsychology; (3 credits)** Grade Method: REG/AUD. *Credit only granted for: PSYC606 or PSYC660. Formerly: PSYC660.* An introductory graduate level course in human psychobiology designed for graduate students with little specific training in this area. Introduction to the comparative and evolutionary approach to the study of human behavior, the biobehavioral basis of human sexuality and social behavior, the physiological basis of higher cortical functions in humans including language, memory, and spatial perception, and an introduction to neuropharmacology.

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|---|---|---|---|
| 0101 | David Yager | Seats (Total: 20) | |
| | TuTh 3:45pm - 5:00pm | HBK 0105 | |

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**PSYC611** **Advanced Developmental Psychology**

**PSYC611 Advanced Developmental Psychology; (3 credits)** Grade Method: REG/AUD.
Systematic exploration of contemporary and classic theories of development focusing on the assumptions they make and research they generate.

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|---|---|---|
| 0101 | Megan Kelly<br>Th 1:00pm - 3:30pm | Seats (Total: 20)<br>BPS 1103 |

**PSYC622** **Research Methods in Clinical Psychology**

**PSYC622** *(PermReq)* **Research Methods in Clinical Psychology; (3 credits)** Grade Method: REG.
*Restriction: Permission of instructor. Credit only granted for: PSYC622 or PSYC718. Formerly: PSYC718.* Examines issues and strategies in conceptual systems, designs and methodologies of current research in clinical and community psychology. Readings include critical analyses of published research. Course requirements include preparation of a research proposal for a thesis level study.

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| 0101 | Carl Lejuez, Julia Felton<br>W 1:00pm - 3:30pm | Seats (Total: 20)<br>COL 2103K |

**PSYC625** **Clinical Assessment: Psychometric Principles, Testing and Behavior**

**PSYC625** *(PermReq)* **Clinical Assessment: Psychometric Principles, Testing and Behavior; (3 credits)** Grade Method: REG.
*Restriction: Permission of BSOS-Psychology department. Credit only granted for: PSYC625 or PSYC721. Formerly: PSYC721.* An examination of fundamental principles of psychological assessment; application of these principles to the development of evidence-based assessments of clinical conditions and associated behaviors; and application of evidence-based assessments to the evaluation and understanding of clinical conditions evaluated and treated in therapeutic settings.

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| 0101 | Andres De Los Reyes<br>W 9:30am - 12:00pm | Seats (Total: 10)<br>BPS 1238 |

**PSYC629** **Clinical Laboratory**

**PSYC629** *(PermReq)* **Clinical Laboratory; (1-3 credits)** Grade Method: S-F.

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|---|---|---|
| 0101 | Mary Byrne<br>Contact instructor or department for details. | Seats (Total: 10) |
| 0201 | Andrea Chronis-Tuscano<br>Contact instructor or department for details. | Seats (Total: 10) |
| 0301 | Julia Felton<br>Contact instructor or department for details. | Seats (Total: 10) |

**PSYC630** **Behavioral and Cognitive Behavioral Intervention for Adults**

**PSYC630 Behavioral and Cognitive Behavioral Intervention for Adults; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: PSYC680. Restriction: Permission of instructor. Credit only granted for: PSYC630 or PSYC728. Formerly: PSYC728.* Introduces students to the process of therapy with particular focus on behavioral focus on behavioral and cognitive behavioral internentions. Syllabus focuses on theory, research, client diversity, ehtics, and practical aspects of conducting therapy.

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| 0101 | Laura MacPherson<br>Tu 1:00pm - 3:30pm | Seats (Total: 10)<br>BPS 1112 |

**PSYC638** **Externship in Professional Psychology; Externship in Professional Psychology**

**PSYC638 Externship in Professional Psychology: Externship in Professional Psychology; (1-3 credits)** Grade Method: S-F.
For PSYC majors only.

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| 0101 | Carl Lejuez<br>Contact instructor or department for details. | Seats (Total: 20) |
| 0201 | Karen O'Brien<br>Contact instructor or department for details. | Seats (Total: 20) |

**PSYC639** **Internship in Professional Psychology; Internship in Professional Psychology**

**PSYC639 Internship in Professional Psychology: Internship in Professional Psychology; (1 credit)** Grade Method: S-F.
For PSYC majors only.

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| 0101 | Carl Lejuez | Seats (Total: 20) |
| | Contact instructor or department for details. | |

**PSYC663** **Understanding Torture and Trauma I**

**PSYC663 Understanding Torture and Trauma I; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in the Graduate Certificate of Professional Studies in Treating Survivors of Violence, Torture, and Trauma: Theoretical Foundations and Mental Health; or permission of instructor.* The focus of this course is to provide students with an introduction to the psychology of torture survivors. Students will discuss theoretical approaches to understanding of torture, think critically about the context of torture, and understand the psychological, social/familial, spiritual, physical, community, and political implications of torture. Interventions for working with torture survivors will be introduced.

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|---|---|---|
| PLV1 | Sheetal Patel | Seats (Total: 20) |
| | **Meets February 25, 2013 - May 17, 2013** | |
| | Class time/details on ELMs | ONLINE |
| | *Restricted to Students in the VTT Program.* | |

**PSYC690** **Research in Counseling Psychology I**

**PSYC690 Research in Counseling Psychology I; (3 credits)** Grade Method: REG.
*Restriction: Permission of instructor. Credit only granted for: PSYC690 or PSYC718. Formerly: PSYC718.* Critical analysis of strategies methodological, conceptual, and content trends.

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|---|---|---|
| 0101 | Jonathan Mohr | Seats (Total: 20) |
| | W 1:00pm - 4:00pm | BPS 1112 |

**PSYC691** **Research in Counseling Psychology II**

**PSYC691 Research in Counseling Psychology II; (3 credits)** Grade Method: REG.
*Restriction: Permission of instructor. Credit only granted for: PSYC691 or PSYC718. Formerly: PSYC718.* Critical analysis of trends and issues in counseling psychology science.

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| 0101 | Clara Hill<br>W 4:00pm - 7:00pm | Seats (Total: 10)<br>BPS 1236 |

**PSYC737** **Research Methods in Industrial/Organizational Psychology**

**PSYC737 Research Methods in Industrial/Organizational Psychology; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: PSYC603; or permission of instructor.* Philosophy, theory, and method issues underlying I/O psychology. History and the effectiveness of different methods for answering different questions is explored. Reliability and validity are emphasized.

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| 0101 | Paul Hanges<br>W 1:00pm - 3:30pm | Seats (Total: 20)<br>Location: TBA |

**PSYC738A** **Seminar in Industrial/Organizational Psychology; Levels of Analysis**

**PSYC738A Seminar in Industrial/Organizational Psychology: Levels of Analysis; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Cheri Ostroff<br>M 1:00pm - 3:30pm | Seats (Total: 10)<br>BPS 1112 |

**PSYC748M** **Seminar in Social Psychology; Motivated Cognition**

**PSYC748M Seminar in Social Psychology: Motivated Cognition; (3 credits)** Grade Method: REG/AUD.

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| 0101 | A Kruglanski, Noa Schori<br>F 10:00am - 12:30pm | Seats (Total: 10)<br>BPS 1103 |

**PSYC788B** **Special Research Problems; Ethics in Scientific Research**

**PSYC788B** *(PermReq)* **Special Research Problems: Ethics in Scientific Research; (2 credits)** Grade Method: REG/AUD.
Also offered as BIOL600, CHEM648E, and NACS600.

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| 0101 | Philip DeShong, Robert Dooling<br>W 3:00pm - 5:00pm | Seats (Total: 20)<br>BPS 1208 |

**PSYC789** **Special Research Problems**

**PSYC789 Special Research Problems; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**PSYC789B** **Special Research Problems; Hormones and Behavior**

**PSYC789B Special Research Problems: Hormones and Behavior; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Erica Glasper Andrews | Seats (Total: 10) |
| | Contact instructor or department for details. | |

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**PSYC789C** **Special Research Problems; Neurosciences Seminar**

**PSYC789C Special Research Problems: Neurosciences Seminar; (1 credit)** Grade Method: REG/AUD.
Also offered as PSYC409.

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|---|---|---|
| 0101 | Cynthia Moss, Catherine Carr | Seats (Total: 20) |
| | Tu 4:00pm - 5:30pm | BPS 1142 |

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**PSYC798B** **Graduate Seminar; The Teaching of Psychology**

**PSYC798B Graduate Seminar: The Teaching of Psychology; (1 credit)** Grade Method: REG/AUD.

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| 0101 | Scott Roberts | Seats (Total: 10) |
| | M 2:00pm - 2:50pm | BPS 1103 |

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**PSYC798C** **Graduate Seminar; Seminar in Conceptual Development**

**PSYC798C Graduate Seminar: Seminar in Conceptual Development; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Jonathan Beier | Seats (Total: 10) |
| | M 4:00pm - 6:30pm | BPS 1112 |

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**PSYC798L** **Graduate Seminar; The Biopsychology of Aggression**

**PSYC798L** *(PermReq)* **Graduate Seminar: The Biopsychology of Aggression; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Jens Herberholz | Seats (Total: 10) |
| | W 9:00am - 11:30am | BPS 1112 |

**PSYC798T** **Graduate Seminar; Intermediate Functional Magnetic Resonance Imaging**

**PSYC798T** *(PermReq)* **Graduate Seminar: Intermediate Functional Magnetic Resonance Imaging; (3 credits)** Grade Method: REG/AUD.
Prerequisite: PSYC309N or permission of instructor.

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| 0101 | Luiz Pessoa | Seats (Total: 20) |
| | TuTh 11:00am - 12:15pm | BPS 1228 |

**PSYC799** **Master's Thesis Research**

**PSYC799 Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
For PSYC majors only. For all non-psychology graduate students, written permission of the instructor and department is required.

**Contact department for information to register for this course.**

**PSYC819A** **Seminar in Personality and Development; Attachment Theory**

**PSYC819A Seminar in Personality and Development: Attachment Theory; (3 credits)** Grade Method: REG/AUD.
Also offered as NACS728C. Credit will be granted for only one of the following: PSYC819A or NACS728C.

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|---|---|---|
| 0101 | Jude Cassidy | Seats (Total: 12) |
| | W 9:30am - 12:00pm | BPS 1103 |

**PSYC888B** **Research Methods in Psychology; Cross Culturism**

**PSYC888B Research Methods in Psychology: Cross Culturism; (1-3 credits)** Grade Method: REG/AUD.

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| 0101 | Michele Gelfand | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**PSYC888C** **Research Methods in Psychology**

**PSYC888C Research Methods in Psychology; (1-3 credits)** Grade Method: REG/AUD.

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| 0101 | Kevin O'Grady | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**PSYC888E** **Research Methods in Psychology; Selection and Diversity**

**PSYC888E Research Methods in Psychology: Selection and Diversity; (1-3 credits)** Grade Method: REG/AUD.

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| 0101 | Paul Hanges | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**PSYC888L** **Research Methods in Psychology; Reserch in Levels and Attitudes**

**PSYC888L Research Methods in Psychology: Reserch in Levels and Attitudes; (1-3 credits)** Grade Method: REG/AUD.

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| 0101 | Cheri Ostroff | Seats (Total: 5) |
| | Contact instructor or department for details. | |

**PSYC889** **Research Methods in Psychology**

**PSYC889 Research Methods in Psychology; (1 credit)** Grade Method: REG/AUD.

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| 0101 | Robert Slevc | Seats (Total: 12) |
| | Contact instructor or department for details. | |

**PSYC889A** **Research Methods in Psychology; Development Seminar**

**PSYC889A Research Methods in Psychology: Development Seminar; (1-2 credits)** Grade Method: REG/AUD.

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| 0101 | Jude Cassidy | Seats (Total: 15) |
| | Contact instructor or department for details. | |

**PSYC898** **Pre-Candidacy Research**

**PSYC898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**PSYC899** **Doctoral Dissertation Research**

**PSYC899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.
For PSYC majors only. For all non-psychology graduate students, written permission of the instructor and department is required.

**Contact department for information to register for this course.**

# PUAF Public Policy Spring 2013

**PUAF301** **Sustainability**

**PUAF301 Sustainability; (3 credits)** Grade Method: REG/P-F/AUD.
*Also offered as: AGNR301. Credit only granted for: AGNR301 or PUAF301.* Designed for students whose academic majors would be enhanced by the complementary study of a widely shared but hard-to-operationalize aspiration: that present choices should preserve or improve future options rather than foreclose or degrade them. How should we understand sustainability? How might we achieve it? How would we know if we had achieved it? And how could sustainability activists of a rising generation lead by example?

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| 0101 | Cara Lynch | Seats (Total: 60) |
| | TuTh 3:30pm - 4:45pm | SYM 0200 |

**PUAF349** **Internship in Political Institutions: State and Local**

**PUAF349** *(PermReq)* **Internship in Political Institutions: State and Local; (3-6 credits)** Grade Method: S-F.

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| 0101 | Nina Harris | Seats (Total: 40) |
| | Contact instructor or department for details. | |

**PUAF359C** **Contemporary Issues in Political Leadership and Participation; Advocacy in the American Political System**

**PUAF359C Contemporary Issues in Political Leadership and Participation: Advocacy in the American Political System; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Gerard Evans | Seats (Total: 145) |
| | M 1:30pm - 4:00pm | CSI 1115 |

**PUAF359I** **Contemporary Issues in Political Leadership and Participation; The Art and Science of Philanthropy**

**PUAF359I Contemporary Issues in Political Leadership and Participation: The Art and Science of Philanthropy; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Jennifer Littlefield | Seats (Total: 26) |
| | Th 2:00pm - 4:30pm | TLF 1126 |
| | *Restricted to students in the College Park Scholars Public Leadership.* | |

**PUAF359J** **Contemporary Issues in Political Leadership and Participation; Leading to Get Results**

**PUAF359J Contemporary Issues in Political Leadership and Participation: Leading to Get Results; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Janay Queen | Seats (Total: 27) |
| | M 4:15pm - 6:45pm | TLF 1126 |

**PUAF359W** **Contemporary Issues in Political Leadership and Participation; Women and Politics**

**PUAF359W Contemporary Issues in Political Leadership and Participation: Women and Politics; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Deni Taveras | Seats (Total: 25) |
| | Tu 4:15pm - 6:45pm | TLF 1126 |

**PUAF386** **Experiential Learning**

**PUAF386** *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: Permission of PUAF-School of Public Policy. Repeatable to 12 credits if content differs.*

**Contact department for information to register for this course.**

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**PUAF388I** **Special Topics in Public Policy; Intelligence as a National Security Instrument, The US Experience**

**PUAF388I Special Topics in Public Policy: Intelligence as a National Security Instrument, The US Experience; (3 credits)** Grade Method: REG/P-F/AUD.
An introduction to intelligence as an instrument of national security policy and operations, including issues arising from intelligence in a homeland or domestic security context.

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| 0101 | Rhea Siers | Seats (Total: 30) |
| | M 1:00pm - 3:30pm | SQH 1119 |

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**PUAF388T** **Special Topics in Public Policy; Undergraduate Teaching Assistant Directed Study**

**PUAF388T** *(PermReq)* **Special Topics in Public Policy: Undergraduate Teaching Assistant Directed Study; (1-3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Nina Harris | Seats (Total: 10) |
| | Contact instructor or department for details. | |

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**PUAF396** **Fellowship Program in Political Leadership**

**PUAF396** *(PermReq)* **Fellowship Program in Political Leadership; (2-6 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Permission of PUAF-School of Public Policy. Restriction: Must be enrolled in the full-time fellowship program.* Individual instruction course.

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| 0101 | Nina Harris | Seats (Total: 10) |
| | Contact instructor or department for details. | |

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**PUAF610** **Quantitative Aspects of Public Policy**

**PUAF610 Quantitative Aspects of Public Policy; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.* Introduces statistical methods needed for evaluating and choosing among policy options. Topics include probability; decision-making under uncertainty; the organization, interpretation, and visual display of complex data; prediction and inferences about causality; hypothesis testing; and linear and multiple regression. Develops analytical skills and the ability to apply theory to complex, real-world problems.

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|---|---|---|---|
| 0101 | Madiha Afzal | Seats (Total: 22) | |
| | Th 1:30pm - 4:00pm | VMH 1107 | |
| | W 7:00pm - 9:30pm | VMH 1101 | Discussion |

**PUAF611** **Quantitative Analysis of Policy Issues**

**PUAF611 Quantitative Analysis of Policy Issues; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.* Study of a series of problems and the development of quantitative techniques to describe or evaluate the problem. The organization and interpretation of complex data and its use for prediction and inference about casual effects. The definition of objectives, trade-offs among objectives, and allocation of resources to meet objectives. Sensitivity of outcomes to changing conditions.

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| 0101 | Jerome Dugan | Seats (Total: 20) | |
| | W 7:00pm - 9:30pm | VMH 1107 | |
| | F 1:30pm - 4:00pm | VMH 1107 | Discussion |
| 0201 | Jerome Dugan | Seats (Total: 20) | |
| | M 4:15pm - 6:45pm | VMH 1107 | |
| | M 7:00pm - 9:30pm | VMH 1101 | Discussion |

**PUAF620** **Political Analysis**

**PUAF620 Political Analysis; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.* Examination of politics as a process for allocating scarce resources among claimants for public benefits. Comparision of the allocative model of politics with other distributive processes, such as markets. Comparison of the model with behavior of different political institutions, such as Congress and the presidency. Study of politics as a process with distinctive concepts of rationality. The translation of voter and interest group preferences into public choices. The impact of political decisions on competing constituencies.

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|---|---|---|---|
| 0101 | Christopher Foreman<br>Th 9:15am - 11:45am | Seats (Total: 20)<br>VMH 1107 | |
| 0301 | David Falk<br>W 9:15am - 11:45am | Seats (Total: 20)<br>VMH 2101F | |

**PUAF640** **Microeconomic and Policy Analysis**

**PUAF640 Microeconomic and Policy Analysis; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.* Applies intermediate microeconomic theory to public policy issues: resource allocation by firms and consumers; the response of economic agents to changes in incentives; market allocations in competitive and non-competitive environments; and market failures and government remedies. Uses extended case studies of particular issues in such areas as the environment (acid rain), international trade (tariffs), industry regulation (cable TV), and the provision of public goods (highways).

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| 0101 | Elisabeth Gilmore<br>M 1:30pm - 4:00pm<br>F 9:15am - 11:45am | Seats (Total: 25)<br>PKT 1221<br>VMH 1203 | <br><br>Discussion |
| 0201 | Elisabeth Gilmore<br>Tu 1:30pm - 4:00pm<br>M 7:00pm - 9:30pm | Seats (Total: 25)<br>VMH 1207<br>VMH 1207 | <br><br>Discussion |

**PUAF641** **Macroeconomics and Policy Analysis**

**PUAF641 Macroeconomics and Policy Analysis; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.* Studies the behavior of the economy as a whole: the level of national income, unemployment, and inflation; the vulnerability of the U.S. economy to external influences; possible federal influence over the level of economic activity; and the consequences for prices, employment and the U.S. trade deficit. Also examines possible U.S. policy responses to widespread debt crises in developing countries.

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|---|---|---|---|
| 0101 | William Helkie<br>W 7:00pm - 9:30pm<br>M 7:00pm - 9:30pm | Seats (Total: 20)<br>VMH 1207<br>VMH 1107 | <br><br>Discussion |
| 0201 | William Helkie<br>Th 7:00pm - 9:30pm<br>Tu 7:00pm - 9:30pm | Seats (Total: 20)<br>VMH 1207<br>PKT 1224 | <br><br>Discussion |

**PUAF650** **Moral Dimensions of Public Policy**

**PUAF650 Moral Dimensions of Public Policy; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.* Explores the moral issues involved in public policy questions; the limits and usefulness of decision-making tools; problems of choosing, justifying and using criteria to judge a program's success and suitability; ethichal issues involving the welfare state and income distribution; and possible obligations beyond one's political community and generation.

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|---|---|---|---|
| 0101 | Daniel Levine<br>Th 1:30pm - 4:00pm | Seats (Total: 20)<br>VMH 2101F | |
| 0201 | Daniel Levine<br>Th 9:15am - 11:45am | Seats (Total: 20)<br>VMH 1101 | |
| 0301 | Miguel Gonzalez-Marcos<br>W 9:15am - 11:45am | Seats (Total: 22)<br>VMH 1107 | |

**PUAF660** **Environmental Policy Workshop**

**PUAF660 Environmental Policy Workshop; (3 credits)** Grade Method: REG/AUD. *Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.* Students work as a team to analyze and recommend responses to a current enviornmental policy issue. Emphasizes problem definition, organization of information and presentation of results.

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|---|---|---|---|
| 0101 | Robert Nelson<br>Tu 9:15am - 11:45am | Seats (Total: 16)<br>VMH 1101 | |

**PUAF670** **Finance**

**PUAF670 Finance; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.* Introduction to principles of resource allocation over time, role of debt in context of changing sources of governmental revenues, long- and short-term debt instruments, analysis of mixed public-private economic development projects, leasing, and the impact of borrowing devices.

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|---|---|---|---|
| 0101 | Philip Joyce<br>Tu 1:30pm - 4:00pm<br>F 1:30pm - 4:00pm | Seats (Total: 25)<br>VMH 1203<br>PKT 1224 | <br><br>Discussion |
| 0301 | Philip Joyce<br>Tu 7:00pm - 9:30pm<br>F 1:30pm - 4:00pm | Seats (Total: 25)<br>VMH 1203<br>PKT 1224 | <br><br>Discussion |

**PUAF671** **Public Sector Finance**
**Contact department for information to register for this course.**

**PUAF688A** **Topics in Public Policy; Comparative Political Institutions**

**PUAF688A Topics in Public Policy: Comparative Political Institutions; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|---|
| 0101 | Paul Manuel<br>W 7:00pm - 9:30pm | Seats (Total: 20)<br>VMH 1203 | |

**PUAF688C** **Topics in Public Policy; Cyberspace: Legal and Policy Implications**

**PUAF688C Topics in Public Policy: Cyberspace: Legal and Policy Implications; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | William Nolte<br>W 9:15am - 11:45am | Seats (Total: 20)<br>VMH 1101 |

**PUAF689B** **Public Policy Topics; Advanced Microeconomics & Policy**

**PUAF689B Public Policy Topics: Advanced Microeconomics & Policy; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Jerome Dugan<br>M 9:15am - 11:45am | Seats (Total: 20)<br>VMH 1107 |

**PUAF689D** **Public Policy Topics; Social Entrepreneurship**

**PUAF689D Public Policy Topics: Social Entrepreneurship; (3 credits)** Grade Method: REG.

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| DC06 | James Sanders<br>**Meets January 26, 2013 - March 16, 2013**<br>Sa 1:40pm - 5:50pm | Seats (Total: 5)<br><br>DC C5 |

**PUAF689E** **Public Policy Topics; Program Evaluation and Cost-Benefit Analysis**

**PUAF689E Public Policy Topics: Program Evaluation and Cost-Benefit Analysis; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Douglas Call, Douglas Besharov, Seth Weissman<br>Th 7:00pm - 9:30pm<br>*Primarily for students in Social Policy specialization.* | Seats (Total: 45)<br>VMH 1203 |
| 0201 | Douglas Besharov, Douglas Call<br>Th 7:00pm - 9:30pm<br>*For students in specializations other than Social, Health or Education Policy.* | Seats (Total: 45)<br>VMH 1107 |

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|---|---|---|
| 0301 | Seth Weissman, Douglas Call, Douglas Besharov<br>Th 7:00pm - 9:30pm | Seats (Total: 25)<br>VMH 2101F |
| | *Primarily for students in Education and Health specializations.* | |

**PUAF689F** **Public Policy Topics; Current Issues in Federal Acquisition**

**PUAF689F Public Policy Topics: Current Issues in Federal Acquisition; (3 credits)** Grade Method: REG/AUD.
Also offered as BUSI758P and ENSE698F.

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|---|---|---|
| 0101 | Jacques Gansler<br>M 4:15pm - 6:45pm | Seats (Total: 20)<br>VMH 1203 |

**PUAF689J** **Public Policy Topics; Food, Economics & Health**

**PUAF689J Public Policy Topics: Food, Economics & Health; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Alok Bhargava<br>Tu 4:15pm - 6:45pm | Seats (Total: 20)<br>VMH 1107 |

**PUAF689K** **Public Policy Topics; Decision Analysis**

**PUAF689K Public Policy Topics: Decision Analysis; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Elisabeth Gilmore<br>Tu 4:15pm - 6:45pm | Seats (Total: 20)<br>VMH 1207 |

**PUAF689N** **Public Policy Topics; U.S./China Social Policy**
**Contact department for information to register for this course.**

**PUAF689P** **Public Policy Topics; Strategic Philanthropy**

**PUAF689P Public Policy Topics: Strategic Philanthropy; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Robert Grimm<br>M 1:30pm - 4:00pm | Seats (Total: 20)<br>VMH 1101 |

**PUAF689V** **Public Policy Topics; Forecasting and Analyzing Political Violence**

**PUAF689V Public Policy Topics: Forecasting and Analyzing Political Violence; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Kevin Jones<br>W 1:30pm - 4:00pm | Seats (Total: 20)<br>VMH 1207 |

**PUAF689X** **Public Policy Topics; Performance Management**
**Contact department for information to register for this course.**

**PUAF692** **Leadership Principles and Practices**

**PUAF692 Leadership Principles and Practices; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.* This course will introduce leadership principles and practices to students by focussing on the theory of leadership, different leadership themes and skills, and discussions with practitioners.

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|---|---|---|
| 0101 | Kenneth Apfel<br>Th 1:30pm - 6:15pm<br>*Class meets Jan 24, Feb 7, Feb 21, Mar 7, Mar 28, Apr 11, Apr25, and May 9.* | Seats (Total: 16)<br>PKT 1224 |

**PUAF698C** **Selected Topics in Public Affairs; Intelligence, Policy Making and Politics**

**PUAF698C Selected Topics in Public Affairs: Intelligence, Policy Making and Politics; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | William Nolte<br>W 4:15pm - 6:45pm | Seats (Total: 24)<br>VMH 1101 |

**PUAF698D** **Selected Topics in Public Affairs; Urban Policy**

**PUAF698D Selected Topics in Public Affairs: Urban Policy; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Fredrica Kramer<br>Th 4:15pm - 6:45pm | Seats (Total: 20)<br>Location: TBA |

**PUAF698F** **Selected Topics in Public Affairs; Criminal Justice System Planning: Policy Analysis for Crime Control**
**Contact department for information to register for this course.**

**PUAF698L** **Selected Topics in Public Affairs; International Environment Agreements**

**PUAF698L Selected Topics in Public Affairs: International Environment Agreements; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Thomas Hilde<br>Th 4:15pm - 6:45pm | Seats (Total: 22)<br>VMH 1107 |

**PUAF698N** **Selected Topics in Public Affairs; intelligence and National Security**
**Contact department for information to register for this course.**

**PUAF698O** **Selected Topics in Public Affairs; Ethics, Development and Foreign Aid**

**PUAF698O Selected Topics in Public Affairs: Ethics, Development and Foreign Aid; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | David Crocker<br>W 1:30pm - 4:00pm | Seats (Total: 22)<br>VMH 1107 |

**PUAF698P** **Selected Topics in Public Affairs; Information Policy and Technology**

**PUAF698P Selected Topics in Public Affairs: Information Policy and Technology; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Christopher McGoff<br>M 9:15am - 11:45am | Seats (Total: 20)<br>VMH 1101 |

**PUAF698R** **Selected Topics in Public Affairs; Developmental Challenges**

**PUAF698R Selected Topics in Public Affairs: Developmental Challenges; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Branko Milanovic<br>M 1:30pm - 4:00pm | Seats (Total: 20)<br>VMH 1207 |

**PUAF698T** **Selected Topics in Public Affairs; Managing Across Sectors**

**PUAF698T Selected Topics in Public Affairs: Managing Across Sectors; (3 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | R. Fosler<br>Tu 1:30pm - 4:00pm | Seats (Total: 20)<br>VMH 1101 |

**PUAF698W** **Selected Topics in Public Affairs; Wildlife Conservation**

**PUAF698W Selected Topics in Public Affairs: Wildlife Conservation; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Gerald Winegrad<br>M 4:15pm - 6:45pm | Seats (Total: 20)<br>VMH 2101F |

**PUAF699A** **Selected Topics Public Policy; Leaderships in Groups and Organizations**
**Contact department for information to register for this course.**

**PUAF699D** **Selected Topics Public Policy; Disease, Disasters and Development**

**PUAF699D Selected Topics Public Policy: Disease, Disasters and Development; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Robert Sprinkle<br>Th 1:30pm - 4:00pm | Seats (Total: 22)<br>VMH 1101 |

**PUAF699E** **Selected Topics Public Policy; Financial Systems and Control**

**PUAF699E Selected Topics Public Policy: Financial Systems and Control; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Stephen Varholy<br>Tu 4:15pm - 6:45pm | Seats (Total: 22)<br>VMH 1203 |

**PUAF699G** **Selected Topics Public Policy; Leadership in Groups and Organization**

**Contact department for information to register for this course.**

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**PUAF699K** **Selected Topics Public Policy; Civil Conflict and Terrorism**

**PUAF699K Selected Topics Public Policy: Civil Conflict and Terrorism; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | John Steinbruner | Seats (Total: 20) |
| | Tu 1:30pm - 4:00pm | Location: TBA |

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**PUAF699L** **Selected Topics Public Policy; Leading and Motivating People**
**Contact department for information to register for this course.**

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**PUAF699M** **Selected Topics Public Policy; Acquisitions in National Security**
**Contact department for information to register for this course.**

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**PUAF699O** **Selected Topics Public Policy; 21st Century Policy Challenges**
**Contact department for information to register for this course.**

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**PUAF699Q** **Selected Topics Public Policy; Demography, Development and Social Policy**

**PUAF699Q Selected Topics Public Policy: Demography, Development and Social Policy; (3 credits)** Grade Method: REG/AUD.

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| 0101 | John Haaga | Seats (Total: 20) |
| | Tu 7:00pm - 9:30pm | VMH 1101 |

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**PUAF699R** **Selected Topics Public Policy; Critical Thinking for Analysts**
**Contact department for information to register for this course.**

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**PUAF699T** **Selected Topics Public Policy; Terrorism Analysis: Tools & Practices**
**Contact department for information to register for this course.**

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**PUAF699V** **Selected Topics Public Policy; Homeland Security**

**PUAF699V Selected Topics Public Policy: Homeland Security; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | William Lahneman<br>Th 7:00pm - 9:30pm | Seats (Total: 17)<br>VMH 1101 |

**PUAF699Z** **Selected Topics Public Policy; Energy Policy**

**PUAF699Z Selected Topics Public Policy: Energy Policy; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Nathan Hultman<br>M 1:30pm - 4:00pm | Seats (Total: 20)<br>VMH 1107 |

**PUAF711** **Public Management and Leadership**

**PUAF711 Public Management and Leadership; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.* Reviews the managerial, political, and ethical problems faced by public sector managers and leaders, including setting an organization's goals, obtaining and protecting a program mandate, designing a service delivery system and implementing a new program.

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|---|---|---|
| 0101 | Samuel McCann<br>M 7:00pm - 9:30pm | Seats (Total: 20)<br>VMH 1203 |
| 0201 | Elizabeth Duke<br>Tu 9:15am - 11:45am | Seats (Total: 20)<br>VMH 1207 |
| 0301 | Kenneth Apfel<br>W 1:30pm - 4:00pm | Seats (Total: 18)<br>VMH 1203 |

**PUAF717** **Federal Budgeting: Policy and Process**

**PUAF717 Federal Budgeting: Policy and Process; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.* Budgeting as a political and administrative instrument of government. Development of budgeting, the multiple uses of the budget, including role in fiscal policy and resource allocation, the roles and relationships of major participants, and effects of resource scarcity on budgeting behavior. Emphasis on the federal level.

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| 0101 | Philip Joyce | Seats (Total: 22) |
| | W 4:15pm - 6:45pm | VMH 1203 |

**PUAF720** **International Security Policy**

**PUAF720 International Security Policy; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.* Reviews the principal features of international security as currently practiced. Traces the evolution of contemporary policy beginning with the initiation of nuclear weapons programs during World War II. Particular emphasis is given to experience of the United States and Russia, since the historical interaction between these two countries has disproportionately affected the international security conditions that all other countries now experience.

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|---|---|---|
| 0101 | Nancy Gallagher | Seats (Total: 20) |
| | Tu 9:15am - 11:45am | VMH 1203 |

**PUAF724** **Problems of Global Security**
**Contact department for information to register for this course.**

**PUAF732** **Policy and Politics of Education Reform**

**PUAF732 Policy and Politics of Education Reform; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.* Examines education reform in its historical, fiscal, cultural, and legal contexts, and the changing relationship between education and economic opportunity. Focuses on institutional and normative issues, including national standards, public school choice, charter schools, vouchers and funding equity.

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| 0101 | Tirza Wilbon White<br>W 4:15pm - 7:00pm | Seats (Total: 24)<br>EDU 3236 |

**PUAF740** **Public Policy and the Environment**

**PUAF740 Public Policy and the Environment; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.* Surveys of major federal environmental legislation; the development and implementation of laws, and alternative ways of thinking about the relationship between humans and the environment.

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|---|---|---|
| 0101 | Robert Nelson<br>W 4:15pm - 6:45pm | Seats (Total: 20)<br>VMH 1107 |
| 0201 | Robert Nelson<br>Th 9:15am - 11:45am | Seats (Total: 24)<br>VMH 2101F |

**PUAF745** **Human Health and Environmental Policy**

**PUAF745 Human Health and Environmental Policy; (3 credits)** Grade Method: REG/AUD.
Reviews the major human physiological systems and their integrated toxicological functions; considers key bodily defenses; and discusses classic, emerging, and ambiguous risks; in all ecological context. Applies to scientific controversy, the methods of policy formation, such as risk analysis, social-cost analysis, "outcomes" analysis, and decision analysis, all in political-economic context.

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| 0101 | Robert Sprinkle<br>W 1:30pm - 4:00pm | Seats (Total: 20)<br>VMH 2101F |

**PUAF753** **Advanced Negotiations**

**PUAF753 Advanced Negotiations; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: PUAF752. Credit only granted for: PUAF698C or PUAF753. Formerly: PUAF698C.* Deepens the student's negotiation and leadership skills for managing differences between individuals and groups. Cover conflict, escalation, dealing with intractable conflicts, sustaining agreements in inter-group conflicts, and the effects of trauma on negotiations.

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|---|---|---|---|
| 0101 | Charles Field | Seats (Total: 20) | |
| | M 4:15pm - 6:45pm | VMH 1101 | |

**PUAF770** **Seminar in Housing and Community Development Strategies**

**PUAF770 Seminar in Housing and Community Development Strategies; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in a major in PUAF-School of Public Policy.* Detailed examination of community and social policy issues relating to the construction and management of affordable housing.

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|---|---|---|---|
| 0101 | John Pitchford | Seats (Total: 20) | |
| | Tu 4:15pm - 6:45pm | VMH 1101 | |

**PUAF780** **The American Foreign Policy-Making Process**

**PUAF780 The American Foreign Policy-Making Process; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.* Survey and analysis of the governmental institutions and processes which shape U.S. global engagement on national security and international economic issues. Particular emphasis is given to executive-congressional relations and the broader domestic roots of foreign policy.

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|---|---|---|---|
| 0201 | I M Mac Destler | Seats (Total: 20) | |
| | M 1:30pm - 4:00pm | VMH 1203 | |

**PUAF781** **International Economic Policy**

**PUAF781 International Economic Policy; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.* Issues and choices facing the United States in today's global economy. Primary, but not exclusive, emphasis is given to "competitive interdependence" among advanced industrial societies.

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|---|---|---|---|
| 0101 | Soumya Chattopadhyay | Seats (Total: 20) | |
| | M 4:15pm - 6:45pm | VMH 1207 | |
| | Th 7:00pm - 9:30pm | PKT 1224 | Discussion |

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|---|---|---|---|
| 0201 | Phillip Swagel<br>M 9:15am - 11:45am<br>Th 4:15pm - 6:15pm | Seats (Total: 20)<br>VMH 1207<br>VMH 1207 | <br><br>Discussion |

**PUAF782** **International Development Economics**

**PUAF782 International Development Economics; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Credit only granted for: PUAF698U or PUAF782. Formerly: PUAF698U.* Examines key current economic and policy issues for developing and transition economies. Topics include inflation stabilization, fiscal policy, selected trade issues, dealing with international capital flows, the role of multilateral organizations, such as the International Monetary Fund and the World Bank, and issues relating to saving, investment and growth.

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| 0101 | Carol Graham<br>W 5:30pm - 8:00pm | Seats (Total: 25)<br>Location: TBA |

**PUAF790** **Project Course**

**PUAF790 Project Course; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.* Students work at a sponsoring government agency or private firm researching problem of interest to sponsor and relevant to concentration. Emphasis on problem definition, organizing information, and both oral and written presentation of results.

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|---|---|---|
| 0101 | Jacqueline Rogers<br>TBA<br>*For students in Management & Leadership and Public Sector Financial Management specializations.* | Seats (Total: 15)<br>VMH 1207 |
| 0111 | Charles Short<br>TBA<br>*For students in Non-Profit Management specialization.* | Seats (Total: 15)<br>VMH 1207 |

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| 0201 | Douglas Call, Douglas Besharov<br>Th 1:30pm - 4:00pm<br>W 9:15am - 11:45am<br>*For students in SOC specialization.* | Seats (Total: 15)<br>VMH 1207<br>VMH 1207 | Discussion |
| 0211 | Douglas Besharov, Douglas Call<br>Th 1:30pm - 4:00pm<br>W 9:15am - 11:15am | Seats (Total: 15)<br>VMH 1207<br>VMH 1207 | Discussion |
| 0301 | Robert Nelson<br>Contact instructor or department for details.<br>*For students in Environmental or Energy specializations.* | Seats (Total: 30) | |
| 0401 | Jonas Siegel, Catherine Kelleher, I M Mac Destler, Kevin Jones<br>Th 10:00am - 12:30pm<br>*For students in ISEP specialization.* | Seats (Total: 15)<br>VMH 1207 | |
| 0411 | Jonas Siegel, Kevin Jones, I M Mac Destler, Catherine Kelleher<br>Th 10:00am - 12:30pm<br>*For students in ISEP specialization.* | Seats (Total: 15)<br>Location: TBA | |
| 0421 | Jonas Siegel, Catherine Kelleher, I M Mac Destler, Kevin Jones<br>Th 10:00am - 12:30pm<br>*For students in ISEP specialization.* | Seats (Total: 15)<br>Location: TBA | |
| 0431 | Jonas Siegel, Catherine Kelleher, I M Mac Destler, Kevin Jones<br>Th 10:00am - 12:30pm | Seats (Total: 15)<br>Location: TBA | |
| 0501 | Madiha Afzal<br>Th 10:00am - 12:30pm<br>*For students in IDEV specialization.* | Seats (Total: 15)<br>VMH 1203 | |
| 0511 | Madiha Afzal<br>Th 10:00am - 12:30pm<br>*For students in IDEV specialization.* | Seats (Total: 15)<br>Location: TBA | |

**PUAF798A** **Readings in Public Policy**

**PUAF798A Readings in Public Policy; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**PUAF798B** **Readings in Public Policy**

**PUAF798B Readings in Public Policy; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**PUAF798G** **Readings in Public Policy; Health Economics and Analysis**

**PUAF798G Readings in Public Policy: Health Economics and Analysis; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Jack Meyer | Seats (Total: 25) |
| | W 1:00pm - 3:45pm | SPH 0308 |

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**PUAF798L** **Readings in Public Policy; Environmental Law and Finance**
**Contact department for information to register for this course.**

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**PUAF798Q** **Readings in Public Policy; Ethics of War & Conflict**

**PUAF798Q Readings in Public Policy: Ethics of War & Conflict; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Daniel Levine | Seats (Total: 20) |
| | M 9:15am - 11:45am | VMH 2101F |

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**PUAF798R** **Readings in Public Policy; Quantitative Research Methods and Public Policy**

**PUAF798R Readings in Public Policy: Quantitative Research Methods and Public Policy; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Public Policy PhD student or permission of instructor.

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|---|---|---|
| 0101 | Alok Bhargava<br>Tu 9:15am - 11:45am | Seats (Total: 20)<br>VMH 1107 |

**PUAF798T** **Readings in Public Policy; Sustainable Development, Democracy and Human Rights in Peru**
**Contact department for information to register for this course.**

**PUAF798W** **Readings in Public Policy; Climate Change Adaptation and Security**

**PUAF798W Readings in Public Policy: Climate Change Adaptation and Security; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Anand Patwardhan<br>M 9:15am - 11:45am | Seats (Total: 20)<br>VMH 1203 |

**PUAF798X** **Readings in Public Policy**
**Contact department for information to register for this course.**

**PUAF798Y** **Readings in Public Policy; Non-Profit Management**

**PUAF798Y Readings in Public Policy: Non-Profit Management; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Robert Grimm<br>W 4:15pm - 6:45pm | Seats (Total: 22)<br>VMH 1207 |

**PUAF798Z** **Readings in Public Policy; Qualitative Research Methods and Public Policy**

**PUAF798Z Readings in Public Policy: Qualitative Research Methods and Public Policy; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Peter Reuter<br>F 4:15pm - 6:45pm | Seats (Total: 20)<br>VMH 1101 |

**PUAF898** **Pre-Candidacy Research**

**PUAF898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**PUAF899** **Doctoral Dissertation Research**

**PUAF899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# RDEV Real Estate Development Spring 2013

**RDEV630** **Fundamentals of Real Estate Development and Finance**

**RDEV630** *(PermReq)* **Fundamentals of Real Estate Development and Finance; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in Real Estate Development (Master's) program; or permission of ARCH-Real Estate Development. Credit only granted for: RDEV630, RDEV688B, or URSP664. Formerly: RDEV688B.* An introduction to real estate development and the foundational concepts of finance and particular financial measures in underwriting real estate projects. Quantitative analyses and financial modeling comprise the main focus.

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|---|---|---|
| 0101 | Michael Daugard<br>M 7:00pm - 9:40pm | Seats (Total: 35)<br>ARC 1103 |
| 0201 | Alfred Tetrault<br>W 7:00pm - 9:40pm | Seats (Total: 18)<br>ARC 1127 |

**RDEV650** **Essentials of Design and Construction Management for Development Professionals**

**RDEV650** *(PermReq)* **Essentials of Design and Construction Management for Development Professionals; (3 credits)** Grade Method: REG/AUD.
*Restriction: Must be in Real Estate Development (Master's) program; or permission of ARCH-Real Estate Development. Credit only granted for: RDEV650 or RDEV688C. Formerly: RDEV688C.* Essential terminology, process and substantative knowledge needed by development professionals to effectively move a project through the design and construction process; includes environmental and ethical considerations throughout the process.

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|---|---|---|
| 0101 | Matthew O'Malley<br>M 7:00pm - 9:40pm | Seats (Total: 20)<br>ARC 1127 |

**RDEV688A** **Selected Topics in Real Estate Development; Development Law, Process and Ethics**

**RDEV688A** *(PermReq)* **Selected Topics in Real Estate Development: Development Law, Process and Ethics; (3 credits)** Grade Method: REG/AUD. For RDEV majors only or permission of department. Click here for more course information.

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|---|---|---|
| 0101 | Christopher Naughten<br>Th 7:00pm - 10:00pm | Seats (Total: 30)<br>ARC 1105 |

**RDEV688G** **Selected Topics in Real Estate Development; Planning Policy, Practice and Politics for Real Estate Developers**

**RDEV688G** *(PermReq)* **Selected Topics in Real Estate Development: Planning Policy, Practice and Politics for Real Estate Developers; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of the department. Click here for more course information.

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|---|---|---|
| 0101 | Mary Konsoulis<br>Tu 7:00pm - 9:40pm | Seats (Total: 30)<br>ARC 1103 |

**RDEV688I** **Selected Topics in Real Estate Development; Capstone Seminar in Real Estate Development**

**RDEV688I** *(PermReq)* **Selected Topics in Real Estate Development: Capstone Seminar in Real Estate Development; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department. Click here for more course information.

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|---|---|---|
| 0101 | Instructor: TBA<br>Tu 7:00pm - 9:40pm | Seats (Total: 10)<br>ARC 1119 |
| 0102 | Jacqueline Rogers<br>Tu 7:00pm - 9:40pm | Seats (Total: 10)<br>ARC 1117 |
| 0103 | Instructor: TBA<br>Tu 7:00pm - 9:40pm | Seats (Total: 15)<br>ARC 1125 |
| 0104 | Alfred Tetrault<br>Tu 7:00pm - 9:40pm | Seats (Total: 10)<br>ARC 1127 |
| 0105 | Instructor: TBA<br>Tu 7:00pm - 9:40pm | Seats (Total: 10)<br>JMZ 3118 |

**RDEV688J** **Selected Topics in Real Estate Development; Principles of Urban Design**

**RDEV688J** *(PermReq)* **Selected Topics in Real Estate Development: Principles of Urban Design; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of the department.

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|---|---|---|
| 0101 | Robert McClennan | Seats (Total: 30) |
| | Th 7:00pm - 9:40pm | ARC 1101 |

**RDEV688X** **Selected Topics in Real Estate Development; Introduction to Principles, Practice and Process**

**RDEV688X** *(PermReq)* **Selected Topics in Real Estate Development: Introduction to Principles, Practice and Process; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of the department. Click here for more course information.

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|---|---|---|
| 0101 | Germano Gomez, Steven Shapiro | Seats (Total: 30) |
| | W 7:00pm - 9:40pm | ARC 1103 |

**RDEV689B** **Current Topics in Real Estate Development; Financing and Investing with Historic, Low-Income and New Market Tax Credits**

**RDEV689B** *(PermReq)* **Current Topics in Real Estate Development: Financing and Investing with Historic, Low-Income and New Market Tax Credits; (3 credits)** Grade Method: REG/AUD.
Prerequisite: permission of department; must have completed one of the following: URSP664, RDEV688B, or RDEV630. Preferable to have completed RDEV688F. Click here for more course information.

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|---|---|---|
| 0101 | Alfred Tetrault | Seats (Total: 18) |
| | M 7:00pm - 9:40pm | ARC 1105 |

**RDEV689D** **Current Topics in Real Estate Development; Design and Development Project Competition**

**RDEV689D** *(PermReq)* **Current Topics in Real Estate Development: Design and Development Project Competition; (1 credit)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Margaret McFarland | Seats (Total: 12) |
| | W 7:00pm - 10:00pm | ARC 1123 |

**RDEV689K** **Current Topics in Real Estate Development; International Development Challenges and Practices**

**RDEV689K** *(PermReq)* **Current Topics in Real Estate Development: International Development Challenges and Practices; (3 credits)** Grade Method: REG/AUD.
Prerequisite: Permission of the department.

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|---|---|---|
| 0101 | Andrew Roud | Seats (Total: 19) |
| | W 7:00pm - 9:40pm | ARC 1101 |

**RDEV689Y** **Current Topics in Real Estate Development; Guided Real Estate Development Project**

**RDEV689Y** *(PermReq)* **Current Topics in Real Estate Development: Guided Real Estate Development Project; (1-3 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Margaret McFarland | Seats (Total: 5) |
| | Contact instructor or department for details. | |

# RELS Religious Studies Spring 2013

**RELS219A** **Special Topics in Religious Studies; Religions of the Ancient Near East**

**RELS219A Special Topics in Religious Studies: Religions of the Ancient Near East; (3 credits)** Grade Method: REG/P-F/AUD.
Introduction to ancient Near Eastern religious systems and mythology, from the third millennium BCE through the fourth century BCE. Particular emphasis on Mesopotamia and ancient Israel. Also offered as HIST219I and JWST225. Credit will be granted for one of the following: HIST219I, JWST225 or RELS219A.

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|---|---|---|
| 0101 | Matthew Suriano | Seats (Total: 30) |
| | TuTh 12:30pm - 1:45pm | SQH 1117 |

**RELS269B** **Special Topics in Study Abroad II; Buddhism and Culture**
**Contact department for information to register for this course.**

**RELS269G** **Special Topics in Study Abroad II; From Asoka to Gandhi: Buddhism and Hinduism in Contemporary Society**
**Contact department for information to register for this course.**

**RELS289I** **What is Religion?**

**RELS289I What is Religion?; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies; Signature Courses - I-Series.

| | | | |
|---|---|---|---|
| 0101 | Maxine Grossman<br>TuTh 11:00am - 11:50am<br>F 11:00am - 11:50am | Seats (Total: 20)<br>TYD 1102<br>KEY 0123 | Discussion |
| 0102 | Maxine Grossman<br>TuTh 11:00am - 11:50am<br>F 11:00am - 11:50am | Seats (Total: 20)<br>TYD 1102<br>TLF 1101 | Discussion |
| 0103 | Maxine Grossman<br>TuTh 11:00am - 11:50am<br>F 1:00pm - 1:50pm | Seats (Total: 20)<br>TYD 1102<br>KEY 0116 | Discussion |

**RELS289M** **Jesus, Mani, and Muhammad: The Dynamics of New Religious Movements**

**RELS289M Jesus, Mani, and Muhammad: The Dynamics of New Religious Movements; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies; Signature Courses - I-Series.
Also offered as HIST289T. Credit will be granted for only one of the following: RELS289M or HIST289T.

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|---|---|---|---|
| 0101 | Hayim Lapin<br>MW 2:00pm - 2:50pm<br>M 1:00pm - 1:50pm | Seats (Total: 20)<br>TWS 1100<br>KEY 0121 | Discussion |
| 0102 | Hayim Lapin<br>MW 2:00pm - 2:50pm<br>W 1:00pm - 1:50pm | Seats (Total: 20)<br>TWS 1100<br>KEY 0117 | Discussion |
| 0103 | Hayim Lapin<br>MW 2:00pm - 2:50pm<br>W 10:00am - 10:50am | Seats (Total: 20)<br>TWS 1100<br>KEY 0120 | Discussion |

**RELS319N** **Special Topics in Religious Studies; Introduction to Native American Cultures of the United States**

**RELS319N Special Topics in Religious Studies: Introduction to Native American Cultures of the United States; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as AMST328N and ANTH468F. Credit will be granted for only one of the following: AMST328N, ANTH468F or RELS319N.

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|---|---|---|
| 0101 | L Gordon | Seats (Total: 35) |
| | M 4:00pm - 6:40pm | PLS 1113 |

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**RELS341** **Europe in the High Middle Ages: 1000-1500**

**RELS341 Europe in the High Middle Ages: 1000-1500; (3 credits)** Grade Method: REG/P-F/AUD.
*Also offered as: HIST331. Credit only granted for: HIST331 or RELS341.* Medieval civilization in the 11th through 15th centuries. Emphasis on cultural and political developments of the high Middle Ages with study of the principal sources of medieval thought and learning, art and architecture, and political theory prior to the Renaissance.

| | | |
|---|---|---|
| 0101 | Christopher Gardner | Seats (Total: 40) |
| | TuTh 12:30pm - 1:45pm | SQH 2117 |

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**RELS369C** **Special Topics in Study Abroad III; Between Tolerance and Conflict**
**Contact department for information to register for this course.**

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**RELS369L** **Special Topics in Study Abroad III; Society and Religion in Latin America**
**Contact department for information to register for this course.**

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**RELS369Z** **Special Topics in Study Abroad III; All Roads Lead to Rome**
**Contact department for information to register for this course.**

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**RELS419B** **Advanced Topics in Religious Studies; Indigenous Thought in the Americas**

**RELS419B Advanced Topics in Religious Studies: Indigenous Thought in the Americas; (3 credits)** Grade Method: REG.
Also offered as AMST498K.

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|---|---|---|
| 0101 | James Maffie | Seats (Total: 35) |
| | TuTh 11:00am - 12:15pm | JMP 1109 |

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**RELS419D** **Advanced Topics in Religious Studies; Islam in Europe**

**RELS419D Advanced Topics in Religious Studies: Islam in Europe; (3 credits)**
Grade Method: REG/P-F/AUD.
Also offered HIST419D. Credit will be granted for only one of the following HIST419D or RELS419D.

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|---|---|---|
| 0101 | Madeline Zilfi | Seats (Total: 30) |
| | TuTh 11:00am - 12:15pm | KEY 0126 |

**RELS419E** **Advanced Topics in Religious Studies; Religion in America: Tension and Transformation**

**RELS419E Advanced Topics in Religious Studies: Religion in America: Tension and Transformation; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| SG91 | Jocelyn Newsome | Seats (Total: 40) |
| | M 4:00pm - 6:30pm | BLD3 2225 |
| | *Limited to CCJS students at Shady Grove.* | |

**RELS419G** **Advanced Topics in Religious Studies; Gender and Islam**

**RELS419G Advanced Topics in Religious Studies: Gender and Islam; (3 credits)**
Grade Method: REG/P-F/AUD.
Also offered as ANTH469G and ANTH689G. Click here for more course information.

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|---|---|---|
| 0101 | Theresa Pham | Seats (Total: 20) |
| | Tu 3:00pm - 5:45pm | SKN 0104 |

**RELS419L** **Advanced Topics in Religious Studies; Asian Religions in American Culture**

**RELS419L Advanced Topics in Religious Studies: Asian Religions in American Culture; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as AAST498V and AMST418L.

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|---|---|---|
| 0101 | John Caughey | Seats (Total: 35) |
| | TuTh 9:30am - 10:45am | HZF 0101 |

**RELS419N** **Advanced Topics in Religious Studies; Late Medieval Middle East, 1000-1500 CE**

**RELS419N Advanced Topics in Religious Studies: Late Medieval Middle East, 1000-1500 CE; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as HIST429N or PERS498C. Credit will be granted for only one of the following: HIST429N, RELS419N, or PERS498C.

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|---|---|---|
| 0101 | Ahmet Karamustafa | Seats (Total: 15) |
| | W 3:30pm - 5:30pm | TLF 2103 |
| | Contact instructor or department for details. | |

**RELS499** **Independent Study in Religious Studies**

**RELS499** *(PermReq)* **Independent Study in Religious Studies; (1-3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Maxine Grossman | Seats (Total: 5) |
| | Contact instructor or department for details. | |

# RUSS Russian Spring 2013

**RUSS102** **Intensive Elementary Russian II**

**RUSS102 Intensive Elementary Russian II; (6 credits)** Grade Method: REG.
*Prerequisite: RUSS101 or RUSS102; and must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of Russian. Credit only granted for: RUSS102 or (RUSS113 and RUSS114).* A continuation of RUSS101 which will further develop the four skills: reading, writing, listening and speaking with an emphasis on communicative competence.

| | | |
|---|---|---|
| 0101 | Zhanna Gerus-Vernola | Seats (Total: 15) |
| | MWF 10:00am - 10:50am | JMZ 1215 |
| | TuTh 9:30am - 10:45am | JMZ 2120 |
| 0201 | Zhanna Gerus-Vernola | Seats (Total: 15) |
| | MWF 11:00am - 11:50am | JMZ 1215 |
| | TuTh 11:00am - 12:15pm | JMZ 2120 |

**RUSS202** **Intermediate Russian II**

**RUSS202 Intermediate Russian II; (5 credits)** Grade Method: REG. CORE Humanities (HO) Course.
*Prerequisite: RUSS201; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of Russian.* Continued activation and expansion of skills and knowledge acquired in RUSS201 with the goal of communicative competence.

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|---|---|---|
| 0101 | Maria Lekic | Seats (Total: 15) |
| | MW 9:00am - 10:50am | JMZ 3205 |
| | F 9:00am - 9:50am | JMZ 3205 |

**RUSS203** **Intermediate Russian for Heritage Speakers I**

**RUSS203 Intermediate Russian for Heritage Speakers I; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Heritage knowledge of Russian equal to or higher than minimum one year of Russian UMD language classes or appropriate Foreign Language Placement Testing (FLPT) score. Restriction: For heritage speakers only, i.e., Russian speakers who grew up outside of Russia with different levels of Russian, wanting to gain literacy and improve their Russian overall. Credit only granted for: RUSS201 or RUSS203.* Designed for heritage speakers of Russian, with the goal of attaining competency in written Russian while improving speaking and reading skills.

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|---|---|---|
| 0101 | Elena Lozinsky | Seats (Total: 15) |
| | TuTh 12:30pm - 1:45pm | JMZ 3203 |

**RUSS302** **Advanced Russian II**

**RUSS302 Advanced Russian II; (3 credits)** Grade Method: REG.
*Prerequisite: RUSS301.* Advanced training in written Russian communicative structures.

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|---|---|---|
| 0101 | Maria Lekic | Seats (Total: 15) |
| | MWF 11:00am - 11:50am | JMZ 3205 |

**RUSS386** **Experiential Learning**

**RUSS386** *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
*Restriction: Junior standing or higher; and permission of ARHU-School of Languages, Literatures, and Cultures department.* Contact the department to obtain section numbers.

**Contact department for information to register for this course.**

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**RUSS398R** **Selected Topics in Russian Language and Literature; Realism in Russian Literature and Cinema**

**RUSS398R Selected Topics in Russian Language and Literature: Realism in Russian Literature and Cinema; (3 credits)** Grade Method: REG/P-F/AUD. Taught in English.

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|---|---|---|
| 0101 | Elizabeth Papazian | Seats (Total: 30) |
| | MW 2:00pm - 3:15pm | PLS 1111 |

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**RUSS402** **Practicum in Written Russian**

**RUSS402 Practicum in Written Russian; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: RUSS401; or students who have taken courses with comparable content may contact the department.* Designed to improve comprehension of functional varieties of written Russian and develop ability to present in written form concise syntheses of source texts.

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|---|---|---|
| 0101 | Elena Lozinsky | Seats (Total: 15) |
| | TuTh 2:00pm - 3:15pm | JMZ 3120 |

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**RUSS409O** **Selected Topics in Russian Language Study; Old Church Slavonic**

**RUSS409O Selected Topics in Russian Language Study: Old Church Slavonic; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Donald Hitchcock | Seats (Total: 15) |
| | TuTh 11:00am - 12:15pm | JMZ 1123 |

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**RUSS412** **Linguistic Analysis of Russian II**

**RUSS412 Linguistic Analysis of Russian II; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: RUSS411.* Continuation of RUSS411. The syntax of the complete sentence, semantics.

| | | |
|---|---|---|
| 0101 | Donald Hitchcock | Seats (Total: 15) |
| | TuTh 12:30pm - 1:45pm | JMZ 1123 |

**RUSS433** **Russian Literature of the 20th Century**

**RUSS433 Russian Literature of the 20th Century; (3 credits)** Grade Method: REG/P-F/AUD.
Taught in Russian.

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|---|---|---|
| 0101 | Elena Lozinsky | Seats (Total: 15) |
| | TuTh 3:30pm - 4:45pm | JMZ 2125 |

**RUSS499** **Independent Study in Russian**

**RUSS499** *(PermReq)* **Independent Study in Russian; (1-3 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**RUSS499C** **Independent Study in Russian; Majors' Colloquium**

**RUSS499C Independent Study in Russian: Majors' Colloquium; (1 credit)** Grade Method: REG.
For Russian majors in Russian 302 or above and Language House residents working toward the LH notation. Non-heritage students only. Taught in Russian.

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|---|---|---|
| 0101 | Elizabeth Papazian | Seats (Total: 10) |
| | M 3:30pm - 4:45pm | PLS 1111 |

**RUSS798** **Independent Study**

**RUSS798 Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**RUSS799** **Thesis Research**

**RUSS799 Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

## SLAA Second Language Acquisition and Application Spring 2013

**SLAA719** **Second Language Acquisition and Application Internship**

**SLAA719 Second Language Acquisition and Application Internship; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**SLAA749C** **Special Topics in Second Language Learning; Theories and theory change in SLA**

**SLAA749C Special Topics in Second Language Learning: Theories and theory change in SLA; (3 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Michael Long | Seats (Total: 15) |
| | Tu 4:00pm - 6:40pm | JMZ 1117 |

**SLAA749V** **Special Topics in Second Language Learning; Assessment Validity**

**SLAA749V Special Topics in Second Language Learning: Assessment Validity; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Steven Ross | Seats (Total: 15) |
| | W 4:00pm - 6:30pm | JMZ 2206 |

**SLAA779** **Directed Research in Second Language Acquisition and Application**

**SLAA779 Directed Research in Second Language Acquisition and Application; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**SLAA798** **Master's Independent Study**

**SLAA798 Master's Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**SLAA799** **Master's Thesis Research**

**SLAA799 Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**SLAA888** **Doctoral Independent Study**

**SLAA888 Doctoral Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**SLAA888R** **Doctoral Independent Study; Research Critique**

**SLAA888R Doctoral Independent Study: Research Critique; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Robert De Keyser | Seats (Total: 15) |
| | Th 5:00pm - 7:30pm | JMZ 1117 |

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**SLAA898** **Pre-Candidacy Research**

**SLAA898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**SLAA899** **Doctoral Dissertation Research**

**SLAA899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

## SLAV Slavic — Spring 2013

**SLAV386** **Experiential Learning**

**SLAV386** *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
*Restriction: Must have a Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor, and student's internship sponsor; and junior standing or higher.*

**Contact department for information to register for this course.**

**SLAV475** **Old Church Slavonic**

**SLAV475 Old Church Slavonic; (3 credits)** Grade Method: REG/P-F/AUD. Introduction to the language of the oldest recorded Slavic documents. Historical presentation of phonology, morphology, and syntax; reading of texts.

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|---|---|---|
| 0101 | Donald Hitchcock | Seats (Total: 15) |
| | TuTh 11:00am - 12:15pm | JMZ 1123 |

**SLAV499** **Directed Study**

**SLAV499** *(PermReq)* **Directed Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

## SLLC School of Languages, Literatures and Cultures — Spring 2013

**SLLC199T** **Special Topics in Language Study; Introduction to Turkish**

**SLLC199T Special Topics in Language Study: Introduction to Turkish; (1 credit)** Grade Method: REG/P-F/AUD.
Must not be native/fluent speaker of Turkish. Introduction to the alphabet, pronunciation patterns, greetings, basic structures, and other fundamentals with emphasis on oral and aural skills.

| | | |
|---|---|---|
| 0101 | Abdusselam Bilgen | Seats (Total: 15) |
| | **Meets March 4, 2013 - May 9, 2013** | |
| | MW 3:30pm - 4:20pm | SQH 2114 |

**SLLC269D** **Special Topics in Study Abroad II; Catalan Language and Culture**
**Contact department for information to register for this course.**

**SLLC299R** **Special Topics in World Cultures; Elementary Italian I**
**Contact department for information to register for this course.**

**SLLC299Z** **Special Topics in World Cultures; Spanish Civilization and Culture**
**Contact department for information to register for this course.**

**SLLC309** **Language Partner Program**

**SLLC309** *(PermReq)* **Language Partner Program; (1 credit)** Grade Method: REG. This course meets Feb 18, Apr 1, May 6.

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|---|---|---|
| 0101 | Gabriele Strauch | Seats (Total: 50) |
| | M 5:00pm - 7:00pm | Location: TBA |

**SLLC369D** **Special Topics in Study Abroad III; Art and Dictatorship**
**Contact department for information to register for this course.**

**SLLC386** **Experiential Learning**

**SLLC386** *(PermReq)* **Experiential Learning; (3 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: Learning Proposal approved by the Office of Experiential Learning Programs, faculty sponsor and the student's internship sponsor. Restriction: Junior standing or higher.*

**Contact department for information to register for this course.**

**SLLC468A** **Special Topics in Film Studies II; The Violence of Cinema**

**SLLC468A Special Topics in Film Studies II: The Violence of Cinema; (3 credits)**
Grade Method: REG/P-F/AUD.
Prerequisites: ENGL245, FILM245, SLLC283, or FILM283; or permission of program.
Also offered as FILM469A.

| | | |
|---|---|---|
| 0101 | Luka Arsenjuk | Seats (Total: 30) |
| | MW 10:00am - 11:50am | HBK 0302J |

**SLLC698D** **Special Topics in Interdisciplinary Studies; Orientations in Film Theory**

**SLLC698D Special Topics in Interdisciplinary Studies: Orientations in Film Theory; (1 credit)** Grade Method: REG/AUD.
Class meets from 2-4pm on the following dates; 2/08, 3/15, 4/12 and 5/03 in HBK 0302H.Also offered as CMLT788D.

| | | |
|---|---|---|
| 0101 | Eric Zakim, Luka Arsenjuk | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**SLLC789** **Master's Independent Study**

**SLLC789 Master's Independent Study; (1-3 credits)** Grade Method: REG.
Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**SLLC889** **Doctoral Independent Study**
**Contact department for information to register for this course.**

# SOCY Sociology Spring 2013

**SOCY100** **Introduction to Sociology**

**SOCY100 Introduction to Sociology; (3 credits)** Grade Method: REG/P-F/AUD.
CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
The fundamental concepts and principles of sociology. Includes consideration of culture, patterns of social interaction, norms, values, social institutions, stratification, and social change.

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| 0101 | Tyler Crabb<br>TuTh 8:00am - 9:15am | Seats (Total: 60)<br>ASY 1213 | |
| 0201 | Jillet Sam<br>MWF 12:00pm - 12:50pm | Seats (Total: 47)<br>ASY 3203 | |
| 0301 | Ann Forsythe<br>MWF 11:00am - 11:50am | Seats (Total: 60)<br>ASY 2309 | |
| 0401 | Ann Forsythe<br>MWF 9:00am - 9:50am | Seats (Total: 60)<br>ASY 2309 | |
| 0501 | Lester Andrist<br>MW 1:00pm - 1:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 21)<br>ASY 2203<br>EDU 1315 | Discussion |
| 0502 | Lester Andrist<br>MW 1:00pm - 1:50pm<br>F 10:00am - 10:50am | Seats (Total: 22)<br>ASY 2203<br>TYD 1118 | Discussion |
| 0503 | Lester Andrist<br>MW 1:00pm - 1:50pm<br>F 1:00pm - 1:50pm | Seats (Total: 21)<br>ASY 2203<br>SQH 1103 | Discussion |
| 0504 | Lester Andrist<br>MW 1:00pm - 1:50pm<br>F 11:00am - 11:50am | Seats (Total: 22)<br>ASY 2203<br>ARC 1103 | Discussion |
| 0505 | Lester Andrist<br>MW 1:00pm - 1:50pm<br>F 12:00pm - 12:50pm | Seats (Total: 22)<br>ASY 2203<br>EDU 1121 | Discussion |
| 0506 | Lester Andrist<br>MW 1:00pm - 1:50pm<br>F 8:00am - 8:50am | Seats (Total: 21)<br>ASY 2203<br>ASY 3217 | Discussion |
| 0507 | Lester Andrist<br>MW 1:00pm - 1:50pm<br>F 2:00pm - 2:50pm | Seats (Total: 21)<br>ASY 2203<br>ASY 3217 | Discussion |

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| 0508 | Lester Andrist<br>MW 1:00pm - 1:50pm<br>F 9:00am - 9:50am | Seats (Total: 21)<br>ASY 2203<br>SQH 1123 | Discussion |
| 0509 | Lester Andrist<br>MW 1:00pm - 1:50pm<br>F 9:00am - 9:50am | Seats (Total: 21)<br>ASY 2203<br>EDU 1315 | Discussion |
| 0601 | Lester Andrist<br>MW 3:30pm - 4:45pm | Seats (Total: 50)<br>ASY 1213 | |
| 0801 | Margaret Smith<br>TuTh 5:00pm - 6:15pm | Seats (Total: 47)<br>ASY 3203 | |

**SOCY105** **Introduction to Contemporary Social Problems**

**SOCY105 Introduction to Contemporary Social Problems; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
An examination of contemporary social problems through sociological perspectives; ways in which social problems are part of the organization of society; a detailed study of selected social problems including social conflict and social inequality.

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| 0101 | Sarah Wanenchak<br>TuTh 8:00am - 9:15am | Seats (Total: 60)<br>ASY 2309 | |
| 0201 | Arthur Piszczatowski<br>MWF 12:00pm - 12:50pm | Seats (Total: 47)<br>ASY 3207 | |
| 0401 | Arthur Piszczatowski<br>MWF 10:00am - 10:50am | Seats (Total: 47)<br>ASY 3207 | |
| 0501 | Daniel Swann<br>MWF 10:00am - 10:50am | Seats (Total: 47)<br>ASY 3203 | |
| 0601 | Leszek Sibilski<br>MWF 12:00pm - 12:50pm | Seats (Total: 60)<br>ASY 1213 | |
| 0701 | PJ Rey<br>MW 3:30pm - 4:45pm | Seats (Total: 60)<br>ASY 2309 | |

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| 0901 | Leszek Sibilski<br>MWF 9:00am - 9:50am | Seats (Total: 60)<br>ASY 1213 | |

**SOCY105H** **Introduction to Contemporary Social Problems**

**SOCY105H Introduction to Contemporary Social Problems; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences.
An examination of contemporary social problems through sociological perspectives; ways in which social problems are part of the organization of society; a detailed study of selected social problems including social conflict and social inequality.

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| 0101 | Kendra Barber<br>TuTh 11:00am - 12:15pm | Seats (Total: 25)<br>ASY 3219 | |

**SOCY200** **Human Societies**

**SOCY200 Human Societies; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
A comparative, historical, interdisciplinary study of human socieities that focuses on the main components of human societies, how they are organized, how they change, and how they come to shape our collective social existence.

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| 0101 | John Pease<br>TuTh 12:30pm - 1:45pm<br>F 9:00am - 9:50am | Seats (Total: 20)<br>ASY 2203<br>EDU 0206 | <br><br>Discussion |
| 0102 | John Pease<br>TuTh 12:30pm - 1:45pm<br>F 11:00am - 11:50am | Seats (Total: 20)<br>ASY 2203<br>ASY 3203 | <br><br>Discussion |
| 0103 | John Pease<br>TuTh 12:30pm - 1:45pm<br>F 9:00am - 9:50am | Seats (Total: 20)<br>ASY 2203<br>ASY 3203 | <br><br>Discussion |
| 0104 | John Pease<br>TuTh 12:30pm - 1:45pm<br>F 12:00pm - 12:50pm | Seats (Total: 20)<br>ASY 2203<br>EDU 1107 | <br><br>Discussion |

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| 0105 | John Pease<br>TuTh 12:30pm - 1:45pm<br>F 9:00am - 9:50am | Seats (Total: 20)<br>ASY 2203<br>ASY 3221 | <br><br>Discussion |
| 0106 | John Pease<br>TuTh 12:30pm - 1:45pm<br>F 12:00pm - 12:50pm | Seats (Total: 20)<br>ASY 2203<br>ARC 1101 | <br><br>Discussion |

**SOCY201** **Introductory Statistics for Sociology**

**SOCY201** *(PermReq)* **Introductory Statistics for Sociology; (4 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: SOCY100 and MATH111; or students who have taken courses with comparable content may contact the department. Restriction: Must not have completed STAT400, BMGT231, or ENEE324. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200, or SOCY201.* Elementary descriptive and inferential statistics. Construction and percentaging of bivariate contingency tables; frequency distributions and graphic presentations; measures of central tendency and dispersion; parametric and nonparametric measures of association and correlation; regression; probability; hypothesis testing; the normal, binomial and chi-square distributions; point and interval estimates.

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| 0101 | Alan Neustadtl<br>TuTh 11:00am - 12:15pm<br>M 8:00am - 9:50am | Seats (Total: 20)<br>ASY 2309<br>LEF 0221 | <br><br>Lab |
| 0104 | Alan Neustadtl<br>TuTh 11:00am - 12:15pm<br>M 2:00pm - 3:50pm | Seats (Total: 20)<br>ASY 2309<br>LEF 0221 | <br><br>Lab |
| BL01 | Alan Neustadtl<br>Class time/details on ELMs<br>M 10:00am - 11:50am<br>*Blended Learning courses combine face-to-face and online interactions.* | Seats (Total: 20)<br>ONLINE<br>LEF 0221 | <br><br>Lab |
| BL02 | Alan Neustadtl<br>Class time/details on ELMs<br>M 12:00pm - 1:50pm<br>*Blended Learning courses combine face-to-face and online interactions.* | Seats (Total: 20)<br>ONLINE<br>LEF 0221 | <br><br>Lab |

**SOCY202** **Introduction to Research Methods in Sociology**

**SOCY202 Introduction to Research Methods in Sociology; (4 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Scholarship in Practice. *Prerequisite: SOCY201.* The underlying logic, major strategies, specific techniques and skills of sociological research. Research design, measurement, data collection, sampling, field research experiments, surveys, index and scale construction, data analysis, interpretation and report writing.

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| 0101 | Kris Marsh<br>TuTh 12:30pm - 1:45pm<br>M 2:00pm - 3:50pm | Seats (Total: 20)<br>ASY 2309<br>ASY 3217 | <br><br>Lab |
| 0102 | Kris Marsh<br>TuTh 12:30pm - 1:45pm<br>M 11:00am - 12:45pm | Seats (Total: 20)<br>ASY 2309<br>ASY 3217 | <br><br>Lab |
| 0103 | Kris Marsh<br>TuTh 12:30pm - 1:45pm<br>F 9:00am - 10:45am | Seats (Total: 20)<br>ASY 2309<br>ASY 3217 | <br><br>Lab |
| 0104 | Kris Marsh<br>TuTh 12:30pm - 1:45pm<br>F 11:00am - 12:45pm | Seats (Total: 20)<br>ASY 2309<br>ASY 3217 | <br><br>Lab |

**SOCY203** **Sociological Theory**

**SOCY203 Sociological Theory; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: SOCY100.* Development of the science of sociology; historical backgrounds; recent theories of society. Required of all sociology majors. Required for all SOCY majors.

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| 0201 | Nathan Jurgenson<br>MW 2:00pm - 3:15pm | Seats (Total: 80)<br>ASY 1213 | |

**SOCY227** **Introduction to the Study of Deviance**

**SOCY227 Introduction to the Study of Deviance; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course.
*Credit only granted for: SOCY227 or SOCY327. Formerly: SOCY327.* An introduction to the sociological study of deviant behavior, covering such topics as mental illness, sexual deviance, and the use of drugs.

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| 0101 | Ann Horwitz<br>MWF 10:00am - 10:50am | Seats (Total: 60)<br>ASY 1213 |

**SOCY230** **Sociological Social Psychology**

**SOCY230 Sociological Social Psychology; (3 credits)** Grade Method: REG/P-F/AUD.
Theoretical perspectives and their applications. Socialization through the life course, the self-concept, attitudes, emotion, attribution, interpersonal relations, group processes, deviance, and social change.

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| 0101 | Jenelle Clark<br>TuTh 2:00pm - 3:15pm | Seats (Total: 150)<br>ASY 2203 |

**SOCY241** **Inequality in American Society**

**SOCY241 Inequality in American Society; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
The dynamics of inequality: its social production, politics, future, and ideological bases. Utopian communities, efforts to eliminate inequality.

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| 0101 | Arthur Piszczatowski<br>MWF 11:00am - 11:50am | Seats (Total: 47)<br>ASY 3207 |
| 0201 | Jonathan Jackson<br>TuTh 3:30pm - 4:45pm | Seats (Total: 39)<br>ASY 3211 |

**SOCY258L** **Special Topics in Study Abroad II; Living Rome: Urban Spaces, Culture, and Identity**
**Contact department for information to register for this course.**

**SOCY305** **Scarcity and Modern Society**

**SOCY305 Scarcity and Modern Society; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: 3 credits in SOCY courses.* Resource depletion and the deterioration of the environment. Relationship to lifestyles, individual consumer choices, cultural values, and institutional failures. Projection of the future course of American society on the basis of the analysis of scarcity, theories of social change, current trends, social movements, government actions, and the futurist literature.

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| 0101 | Kurt Finsterbusch<br>TuTh 11:00am - 12:15pm | Seats (Total: 60)<br>ASY 1213 |

**SOCY325** **The Sociology of Gender**

**SOCY325 The Sociology of Gender; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
*Prerequisite: 3 credits in SOCY courses. Also offered as: WMST325. Credit only granted for: SOCY325 or WMST325.* Institutional bases of gender roles and gender inequality, cultural perspectives on gender, gender socialization, feminism, and gender-role change. Emphasis on contemporary American society.

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| 0101 | Zachary Richer<br>TuTh 9:30am - 10:45am | Seats (Total: 60)<br>ASY 1213 |
| 0201 | Nihal Celik<br>TuTh 8:00am - 9:15am | Seats (Total: 47)<br>ASY 3207 |
| 0301 | Crosby Hipes<br>MWF 12:00pm - 12:50pm | Seats (Total: 50)<br>ASY 2309 |
| 0401 | Michelle Sandhoff<br>MWF 11:00am - 11:50am | Seats (Total: 60)<br>ASY 1213 |
| 0501 | Mehmet Ergun<br>TuTh 2:00pm - 3:15pm | Seats (Total: 60)<br>ASY 1213 |
| 0601 | Alicia Lee<br>TuTh 8:00am - 9:15am | Seats (Total: 40)<br>ASY 3203 |

**SOCY358E** **Special Topics in Study Abroad III; Contemporary European Film: The Individual and Society**
**Contact department for information to register for this course.**

**SOCY358F** **Special Topics in Study Abroad III; Sociology of Contemporary Italy**
**Contact department for information to register for this course.**

**SOCY358M** **Special Topics in Study Abroad III; Muslims in the West**
**Contact department for information to register for this course.**

**SOCY358P** **Special Topics in Study Abroad III; Modern Chinese Culture and Society**
**Contact department for information to register for this course.**

**SOCY358V** **Special Topics in Study Abroad III; Gender Studies: A Global Perspective**
**Contact department for information to register for this course.**

**SOCY358X** **Special Topics in Study Abroad III; Spanish Gender Studies**
**Contact department for information to register for this course.**

**SOCY381** **Honors Independent Research in Sociology**

**SOCY381** *(PermReq)* **Honors Independent Research in Sociology; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: SOCY380. Formerly: SOCY388.* This course permits sociology students to define a particular problem in sociology or a subfield therein and to develop a research plan for use as a thesis topic. The work will be done under the supervision of a member of the sociology faculty.

**Contact department for information to register for this course.**

**SOCY383** **Honors Thesis Research**

**SOCY383** *(PermReq)* **Honors Thesis Research; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: SOCY381. Formerly: SOCY389.* Student research under the direction of a member of the sociology faculty, culminating in the presentation and defense of a thesis reporting the research.

**Contact department for information to register for this course.**

**SOCY386** **Experiential Learning**

**SOCY386** *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.
*Restriction: Permission of BSOS-Sociology department; and junior standing or higher.* To register, students must have departmental permission form signed by instructor and by Coordinator of Sociology Undergraduate Program.

**Contact department for information to register for this course.**

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**SOCY398C** **Special Topics in Sociology; Transitions from Undergraduate to Professional**

**SOCY398C Special Topics in Sociology: Transitions from Undergraduate to Professional; (1 credit)** Grade Method: REG/P-F/AUD.

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| 0101 | Nicole De Loatch | Seats (Total: 15) |
| | M 12:00pm - 1:50pm | ASY 1117 |

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**SOCY398L** **Special Topics in Sociology; Service Learning**

**SOCY398L** *(PermReq)* **Special Topics in Sociology: Service Learning; (1 credit)** Grade Method: REG/P-F/AUD.
Formerly: SOCY398S.

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| 0101 | Instructor: TBA | Seats (Total: 20) |
| | Contact instructor or department for details. | |

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**SOCY399** **Independent Study in Sociology**

**SOCY399** *(PermReq)* **Independent Study in Sociology; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
No more than 6 hours of 399 is allowed for credit.

**Contact department for information to register for this course.**

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**SOCY399G** **Independent Study in Sociology; Social Policy, Social Exclusion**
**Contact department for information to register for this course.**

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**SOCY410** **Social Demography**

**SOCY410 Social Demography; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department.* Types of demographic analysis; demographic data; population characteristics; migration; mortality; fertility; population theories; world population growth; population policy.

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| 0101 | Meredith Kleykamp<br>TuTh 9:30am - 10:45am | Seats (Total: 25)<br>ASY 3203 |

**SOCY411** **Demographic Techniques**

**SOCY411 Demographic Techniques; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: (SOCY201; or students who have taken courses with comparable content may contact the department); and SOCY410. Or permission of BSOS-Sociology department.* Basic techniques for analyzing population structure and demographic processes, including fertility, mortality and migration.

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| 0101 | Joan Kahn<br>MW 2:00pm - 3:15pm | Seats (Total: 25)<br>ASY 3219 |

**SOCY424** **Sociology of Race Relations**

**SOCY424 Sociology of Race Relations; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department. Also offered as: AAST424. Credit only granted for: AAST424 or SOCY424.* Analysis of race-related issues, with a primary focus on American society. The historical emergence, development, and institutionalization of racism; the impact of racism on its victims; and racially based conflict.

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| 0101 | Rashawn Ray<br>MW 2:00pm - 3:15pm | Seats (Total: 25)<br>ASY 3203 |
| 0201 | Kris Marsh<br>TuTh 9:30am - 10:45am | Seats (Total: 25)<br>ASY 3221 |

**SOCY430** **Social Structure and Identity**

**SOCY430 Social Structure and Identity; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department.* Theoretical issues in social psychology, focusing on social construction of identity. Identity formation and transformation in social process. Structural and cultural dimensions of social identity.

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| 0101 | Catharine Warner<br>TuTh 9:30am - 10:45am | Seats (Total: 35)<br>ARC 1101 |

**SOCY431** **Principles of Organizations**

**SOCY431 Principles of Organizations; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department.* Structural and processual characteristics of organizations that make them effective for different purposes and in different environments. Effects of different institutional environments, small group processes, organizational networks, and leadership. Types of organizations studied include formal bureaucracies, professional organizations, and voluntary associations.

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| 0101 | Kurt Finsterbusch<br>TuTh 2:00pm - 3:15pm | Seats (Total: 46)<br>ASY 3207 |

**SOCY441** **Social Stratification and Inequality**

**SOCY441 Social Stratification and Inequality; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department. Restriction: Junior standing or higher.* The sociological study of social class, status, and power. Topics include theories of stratification, correlates of social position, functions and dysfunctions of social inequality, status inconsistency, and social mobility.

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| BL01 | John Pease<br>Th 9:30am - 10:45am<br>Class time/details on ELMs | Seats (Total: 99)<br>ASY 2309<br>ONLINE |
| | *Blended Learning courses combine face-to-face and online interactions.* | |

**SOCY443** **The Family and Society**

**SOCY443 The Family and Society; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department.* Study of the family as a social institution; its biological and cultural foundations, historical development, changing structures and functions, the interaction of marriage and parenthood, disorganizing and reorganizing factors in present-day trends.

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| 0101 | Philip Cohen | Seats (Total: 30) |
| | TuTh 9:30am - 10:45am | ASY 3207 |

**SOCY448M** **Research in Social Psychology; Mental Health**

**SOCY448M Research in Social Psychology: Mental Health; (3 credits)** Grade Method: REG/AUD.
This course is restricted to Sociology majors.

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| 0101 | Melissa Milkie | Seats (Total: 15) |
| | M 9:00am - 11:30am | ASY 1101 |

**SOCY458T** **Special Topics in Study Abroad IV; Human Trafficking in a Global Context**
**Contact department for information to register for this course.**

**SOCY458Z** **Special Topics in Study Abroad IV; Gender and Sexuality in Scandinavia**
**Contact department for information to register for this course.**

**SOCY460** **Sociology of Work**

**SOCY460 Sociology of Work; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department.* Analysis of the American work world with special attention to the impact of social change and occupational conflicts on the individual worker. Professionalization, career patterns, problems of minority groups and the future of work.

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| 0101 | Joseph Lengermann | Seats (Total: 30) |
| | MW 3:30pm - 4:45pm | ASY 3207 |

**SOCY463** **Sociology of Combat**

**SOCY463 Sociology of Combat; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department.* Sociological theories and concepts related to combat. Influence of historical events on relations between nations and between the military and society. Effects of U.S. social structure on actions in combat; effects of involvement in combat on social structure and on members of society. Cohesion and leadership in military units.

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| 0101 | Molly Clever | Seats (Total: 36) |
| | MWF 8:00am - 8:50am | ASY 3203 |

**SOCY464** **Military Sociology**

**SOCY464 Military Sociology; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department.* Social change and the growth of military institutions. Complex formal military organizations. Military service as an occupation or profession. The sociology of military life. Relations between military institutions, civilian communities and society.

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| 0101 | David Segal | Seats (Total: 25) |
| | TuTh 2:00pm - 3:15pm | ASY 3203 |

**SOCY465** **The Sociology of War**

**SOCY465 The Sociology of War; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department.* The origin and development of armed forces as institutions, the social causes, operations and results of war as social conflict; the relations of peace and war and revolution in contemporary civilizations.

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| 0101 | Meyer Kestnbaum | Seats (Total: 25) |
| | TuTh 12:30pm - 1:45pm | ASY 3207 |

**SOCY467** **Sociology of Education**

**SOCY467 Sociology of Education; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department.* Sociological analysis of educational institutions and their relation to society: goals and functions, the mechanisms of social control, and the impacts of stratification and social change. Study of the school as a formal organization, and the roles and subcultures of teachers and students.

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| 0101 | Linda Moghadam | Seats (Total: 25) |
| | TuTh 11:00am - 12:15pm | ASY 3207 |

**SOCY498** **Selected Topics in Sociology**
**Contact department for information to register for this course.**

**SOCY498B** **Selected Topics in Sociology; Social Ecological Systems**

**SOCY498B Selected Topics in Sociology: Social Ecological Systems; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Klaus Hubacek, Christina Prell | Seats (Total: 60) |
| | TuTh 12:30pm - 1:45pm | ASY 1213 |

**SOCY498F** **Selected Topics in Sociology; Survey Research**

**SOCY498F Selected Topics in Sociology: Survey Research; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Stanley Presser | Seats (Total: 25) |
| | MW 2:00pm - 3:15pm | ASY 3207 |

**SOCY498K** **Selected Topics in Sociology; Youth, Resistance, and Social Control**
**Contact department for information to register for this course.**

**SOCY498L** **Selected Topics in Sociology; Global Social Policy**
**Contact department for information to register for this course.**

**SOCY498P** **Selected Topics in Sociology; Sociology of Cities**
**Contact department for information to register for this course.**

**SOCY498Q** **Selected Topics in Sociology; Public Sociology**

**SOCY498Q Selected Topics in Sociology: Public Sociology; (3 credits)** Grade Method: REG/P-F/AUD.
Restricted to Junior/Senior in the Sociology major.

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| 0101 | Patricia Collins | Seats (Total: 30) |
| | TuTh 11:00am - 12:15pm | ASY 3203 |

**SOCY498T** **Selected Topics in Sociology; Sociology of Mental Health**

**SOCY498T Selected Topics in Sociology: Sociology of Mental Health; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Catharine Warner | Seats (Total: 35) |
| | TuTh 12:30pm - 1:45pm | ASY 3203 |

**SOCY498X** **Selected Topics in Sociology; Love and Marriage in Modern Society**

**SOCY498X Selected Topics in Sociology: Love and Marriage in Modern Society; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Liana Sayer | Seats (Total: 25) |
| | TuTh 3:30pm - 4:45pm | ASY 3221 |

**SOCY498Z** **Selected Topics in Sociology; Pratical Sociology**
**Contact department for information to register for this course.**

**SOCY601** **Statistics For Sociological Research I**

**SOCY601** *(PermReq)* **Statistics For Sociological Research I; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: SOCY201; or students who have taken courses with comparable content may contact the department. Restriction: Permission of instructor. Credit only granted for: SOCY601 and SURV601.* Introductory statistical concepts are covered including descriptive statistics, probability, sampling distributions, expected values, hypothesis testing, tests of significance, measures of association, and if time permits, introduction to regression analysis. Statistical programming software may be used.

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| 0101 | Meredith Kleykamp<br>TuTh 2:00pm - 3:15pm | Seats (Total: 20)<br>ASY 1101 |

**SOCY626** **Demography of Aging**

**SOCY626 Demography of Aging; (3 credits)** Grade Method: REG/AUD. Examines the demographic foundations of population aging, focusing on macro and historical patterns as well as on trends in mortality health and disability. Also examines the relationship between aging and social institutions such as the family, the economy and public policy.

| | | |
|---|---|---|
| 0101 | Joan Kahn<br>Tu 3:30pm - 6:00pm | Seats (Total: 20)<br>ASY 1117 |

**SOCY645** **Sociology of the Self Concept**

**SOCY645 Sociology of the Self Concept; (3 credits)** Grade Method: REG/AUD. Theory and empirical research dealing with the social determination and social consequences of the self-concept. Sociological, psychological, and psychoanalytic approaches to the self.

| | | |
|---|---|---|
| 0101 | Rashawn Ray<br>Th 3:30pm - 6:00pm | Seats (Total: 20)<br>ASY 1101 |

**SOCY653** **Family Demography**

**SOCY653** *(PermReq)* **Family Demography; (3 credits)** Grade Method: REG/AUD. *Restriction: Permission of instructor.* Demograpic perspective on family and household relationships; relationships among economic institutions, family structure, and the content of family life; research from contemporary U.S., historical and cross-cultural sources.

| | | |
|---|---|---|
| 0101 | Frances Goldscheider, John Pease<br>W 10:00am - 12:30pm | Seats (Total: 20)<br>ASY 1117 |

**SOCY699** **Special Social Problems**

**SOCY699 Special Social Problems; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**SOCY699B** **Special Social Problems; Globalization and Activism**

**SOCY699B Special Social Problems: Globalization and Activism; (3 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Dana Fisher | Seats (Total: 20) |
| | Th 3:30pm - 6:00pm | ASY 3112 |

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**SOCY699C** **Special Social Problems; Introduction to Computing for Sociologists**

**SOCY699C Special Social Problems: Introduction to Computing for Sociologists; (1 credit)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Alan Neustadtl | Seats (Total: 10) |
| | W 9:00am - 10:50am | LEF 0221 |

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**SOCY699E** **Special Social Problems; Critical Race Initiative**

**SOCY699E Special Social Problems: Critical Race Initiative; (1 credit)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Patricia Collins | Seats (Total: 20) |
| | Contact instructor or department for details. | |

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**SOCY699F** **Special Social Problems; Apprenticeship in Social Research**

**SOCY699F Special Social Problems: Apprenticeship in Social Research; (1 credit)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Feinian Chen | Seats (Total: 10) |
| | Contact instructor or department for details. | |

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**SOCY699J** **Special Social Problems; Introduction to Qualitative Research Methods**

**SOCY699J Special Social Problems: Introduction to Qualitative Research Methods; (3 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Dana Fisher | Seats (Total: 10) |
| | MW 2:00pm - 3:15pm | ASY 1117 |

**SOCY699K** **Special Social Problems; War, States, and Society**

**SOCY699K Special Social Problems: War, States, and Society; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Meyer Kestnbaum<br>W 3:30pm - 6:00pm | Seats (Total: 20)<br>ASY 4111 |

**SOCY699L** **Special Social Problems; Diversity in the Military**

**SOCY699L Special Social Problems: Diversity in the Military; (3 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Kirby Bowling<br>W 3:30pm - 6:00pm | Seats (Total: 20)<br>ASY 2115 |
| PCL1 | Kirby Bowling<br>W 3:30pm - 6:00pm<br>*Restricted to Navy LEAD cohorts (MPLD).* | Seats (Total: 17)<br>ASY 2115 |

**SOCY699M** **Special Social Problems; Dissertation Writing Workshop**

**SOCY699M Special Social Problems: Dissertation Writing Workshop; (1 credit)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Kurt Finsterbusch<br>Contact instructor or department for details. | Seats (Total: 10) |

**SOCY699N** **Special Social Problems; Power, Status, and Leadership in Groups**

**SOCY699N Special Social Problems: Power, Status, and Leadership in Groups; (3 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Amy Baxter<br>Tu 9:00am - 11:30am | Seats (Total: 20)<br>ASY 1101 |
| PCL1 | Amy Baxter<br>Tu 9:00am - 11:30am<br>*Restricted to Navy LEAD cohorts (MPLD majors).* | Seats (Total: 16)<br>ASY 1101 |

**SOCY699O** **Special Social Problems; Theories of Consumption**

**SOCY699O Special Social Problems: Theories of Consumption; (3 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | George Ritzer | Seats (Total: 10) |
| | M 6:30pm - 9:00pm | ASY 3112 |

**SOCY699P** **Special Social Problems; Proseminar**

**SOCY699P Special Social Problems: Proseminar; (1 credit)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Philip Cohen | Seats (Total: 20) |
| | M 12:00pm - 12:50pm | ASY 1101 |

**SOCY699R** **Special Social Problems; Workshop in Current Sociological Issues**

**SOCY699R Special Social Problems: Workshop in Current Sociological Issues; (1 credit)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Kris Marsh | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**SOCY699T** **Special Social Problems; Teaching Sociology**

**SOCY699T Special Social Problems: Teaching Sociology; (1 credit)** Grade Method: REG.

| | | |
|---|---|---|
| 0101 | Linda Moghadam | Seats (Total: 20) |
| | M 12:00pm - 12:50pm | ASY 4111 |

**SOCY699V** **Special Social Problems; Writing Workshop for Second Year Paper**

**SOCY699V Special Social Problems: Writing Workshop for Second Year Paper; (1 credit)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Julie Park | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**SOCY699W** **Special Social Problems; Work in Progress**

**SOCY699W Special Social Problems: Work in Progress; (1 credit)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Stanley Presser | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**SOCY699X** **Special Social Problems; Methodologies of Social Research**

**SOCY699X Special Social Problems: Methodologies of Social Research; (3 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Jeffrey Lucas | Seats (Total: 20) |
| | M 3:30pm - 6:00pm | ASY 1101 |

**SOCY699Y** **Special Social Problems; Content Analysis**

**SOCY699Y Special Social Problems: Content Analysis; (3 credits)** Grade Method: REG/AUD.

| | | | |
|---|---|---|---|
| 0101 | Melissa Milkie | Seats (Total: 10) | |
| | W 3:30pm - 6:00pm | ASY 1117 | Lab |

**SOCY699Z** **Special Social Problems; Workshop in PhD Specialty Exam Preparation**

**SOCY699Z Special Social Problems: Workshop in PhD Specialty Exam Preparation; (1 credit)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Meredith Kleykamp | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**SOCY709B** **Advanced Special Topics in Data Analysis**

**SOCY709B Advanced Special Topics in Data Analysis; (3 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Feinian Chen | Seats (Total: 20) |
| | W 3:30pm - 6:00pm | ASY 1101 |

**SOCY729B** **Advanced Special Topics in Substantive Theory; Critical Race Theory**

**SOCY729B Advanced Special Topics in Substantive Theory: Critical Race Theory; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Patricia Collins<br>Tu 3:30pm - 6:00pm | Seats (Total: 13)<br>ASY 4111 |

**SOCY799** **Master's Thesis Research**

**SOCY799** *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**SOCY819** **Research Seminar in Social Psychology**

**SOCY819 Research Seminar in Social Psychology; (1 credit)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Stanley Presser<br>Contact instructor or department for details. | Seats (Total: 10) |

**SOCY829** **Research Seminar in Sociological Theory**

**SOCY829 Research Seminar in Sociological Theory; (1 credit)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | George Ritzer<br>Contact instructor or department for details. | Seats (Total: 10) |

**SOCY839** **Research Seminar in Organizations and Occupations**

**SOCY839 Research Seminar in Organizations and Occupations; (1 credit)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Kurt Finsterbusch<br>Contact instructor or department for details. | Seats (Total: 10) |

**SOCY849** **Research Seminar in Demography**

**SOCY849 Research Seminar in Demography; (1 credit)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Sonalde Desai | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**SOCY858** **Research Seminar in Gender, Work and Family**

**SOCY858 Research Seminar in Gender, Work and Family; (1 credit)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Reeve Vanneman | Seats (Total: 20) |
| | Contact instructor or department for details. | |

**SOCY869** **Research Seminar in Military Sociology**

**SOCY869 Research Seminar in Military Sociology; (1 credit)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | David Segal | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**SOCY889** **Research Seminar in Social Stratification**

**SOCY889 Research Seminar in Social Stratification; (1 credit)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Alan Neustadtl | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**SOCY898** **Pre-Candidacy Research**

**SOCY898** *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**SOCY899** **Doctoral Dissertation Research**

**SOCY899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

## SPAN Spanish Spring 2013

**SPAN103** **Intensive Elementary Spanish**

Students with no experience in the language are invited to register for SPAN103. **SPAN103 Intensive Elementary Spanish; (4 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of Spanish. Credit only granted for: SPAN102 or SPAN103.* Covers speaking, reading, writing, listening, and culture of Spanish-speaking world. Limited exceptions may be granted for students with weak preparation or several years' lapse since the study in high school. Students must present high school and/or college transcripts on the first day of class to assure proper placement. Exceptions must be approved in advance by the departmental advisor, JMZ 2202.

| | | |
|---|---|---|
| 0101 | Carla Onate<br>MTuWF 10:00am - 10:50am | Seats (Total: 25)<br>JMZ 0122 |
| 0201 | Carla Onate<br>MWF 11:00am - 11:50am<br>Tu 11:00am - 11:50am | Seats (Total: 25)<br>JMZ 0122<br>JMZ 0118 |
| 0301 | Maria Monsalve<br>MWF 12:00pm - 12:50pm<br>Tu 12:00pm - 12:50pm | Seats (Total: 25)<br>JMZ 1215<br>JMZ 0118 |
| 0401 | Carla Onate<br>MWF 1:00pm - 1:50pm<br>Tu 1:00pm - 1:50pm | Seats (Total: 25)<br>JMZ 0120<br>JMZ 0125 |
| 0501 | Carla Onate<br>MWF 2:00pm - 2:50pm<br>Tu 2:00pm - 2:50pm | Seats (Total: 25)<br>JMZ 0125<br>JMZ 0125 |

**SPAN169L** **Special Topics in Study Abroad I; Spanish Language A1**

**Contact department for information to register for this course.**

**SPAN169M** **Special Topics in Study Abroad I; Spanish Language A2**
**Contact department for information to register for this course.**

**SPAN169O** **Special Topics in Study Abroad I; Beginner Spanish I**
**Contact department for information to register for this course.**

**SPAN169P** **Special Topics in Study Abroad I; Beginner Spanish II**
**Contact department for information to register for this course.**

**SPAN169X** **Special Topics in Study Abroad I; Elementary Spanish I**
**Contact department for information to register for this course.**

**SPAN169Y** **Special Topics in Study Abroad I; Elementary Spanish II**
**Contact department for information to register for this course.**

**SPAN203** **Intensive Intermediate Spanish**

**SPAN203 Intensive Intermediate Spanish; (4 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
*Prerequisite: SPAN103; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of Spanish.* Covers speaking, reading, writing, listening, and culture of Spanish-speaking world.

| | | |
|---|---|---|
| 0101 | Ginette Eldredge<br>MWF 9:00am - 9:50am<br>Th 9:00am - 9:50am | Seats (Total: 25)<br>JMP 1109<br>JMP 1109 |
| 0201 | Ginette Eldredge<br>MWF 10:00am - 10:50am<br>Th 10:00am - 10:50am | Seats (Total: 25)<br>JMP 1109<br>JMP 1109 |
| 0301 | Samuel Ginsburg<br>MWF 11:00am - 11:50am<br>Th 11:00am - 11:50am | Seats (Total: 25)<br>JMZ 0208<br>JMZ 0118 |
| 0401 | Melissa Gonzalez-Contreras<br>MWF 12:00pm - 12:50pm<br>Th 12:00pm - 12:50pm | Seats (Total: 25)<br>JMZ 0208<br>JMZ 0118 |

| | | |
|---|---|---|
| 0501 | Samuel Ginsburg<br>MWF 1:00pm - 1:50pm<br>Th 1:00pm - 1:50pm | Seats (Total: 25)<br>JMZ 0208<br>JMZ 0118 |
| 0601 | Evelyn Canabal-Torres<br>MWF 2:00pm - 2:50pm<br>Th 2:00pm - 2:50pm | Seats (Total: 25)<br>JMZ 1224<br>JMZ 1224 |
| 0701 | Melissa Gonzalez-Contreras<br>MWThF 1:00pm - 1:50pm | Seats (Total: 25)<br>JMZ 0103 |

**SPAN204** **Spanish Grammar Review**

**SPAN204 Spanish Grammar Review; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course.
*Prerequisite: SPAN203; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Not open to fluent/native speakers of Spanish.* An in-depth study and analysis of selected grammatical topics in a contextualized framework.

| | | |
|---|---|---|
| 0101 | Chila Hidalgo<br>MWF 10:00am - 10:50am | Seats (Total: 25)<br>JMZ 0125 |
| 0201 | Chila Hidalgo<br>MWF 11:00am - 11:50am | Seats (Total: 25)<br>JMZ 0125 |
| 0301 | Fabian Faccio<br>MWF 12:00pm - 12:50pm | Seats (Total: 25)<br>JMZ 2206 |
| 0401 | Chila Hidalgo<br>MWF 1:00pm - 1:50pm | Seats (Total: 25)<br>JMZ 0125 |

**SPAN206** **Review of Oral and Written Spanish for Native Speakers Educated in the United States**

**SPAN206 Review of Oral and Written Spanish for Native Speakers Educated in the United States; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Must have native or near native knowledge of oral Spanish; and must have no formal education in Spanish.* Review of oral and written Spanish for students who have native or near-native ability in Spanish, but have never studied it in a formal setting.

| | | |
|---|---|---|
| 0101 | Evelyn Canabal-Torres<br>MW 10:00am - 10:50am<br>F 10:00am - 10:50am | Seats (Total: 25)<br>JMZ 2122<br>JMZ 2122 |

**SPAN207** **Reading and Writing in Spanish**

**SPAN207 Reading and Writing in Spanish; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
*Prerequisite: Minimum grade of B+ in SPAN203; or must have completed or be concurrently enrolled in SPAN204; or must have appropriate Foreign Language Placement Test (FLPT) score.* Selected readings with emphasis on reading comprehension and the development of reading strategies. Work in composition writing and a review of selected grammatical topics. Complements material of SPAN204.

| | | |
|---|---|---|
| 0201 | Karen Krausen<br>MWF 11:00am - 11:50am | Seats (Total: 25)<br>JMZ 2207 |
| 0301 | Ivette Rodriguez-Santana<br>MWF 12:00pm - 12:50pm | Seats (Total: 25)<br>JMZ 1224 |
| 0401 | Lina Morales Chacana<br>MWF 1:00pm - 1:50pm | Seats (Total: 25)<br>JMZ 1122 |
| 0501 | Luis Charry<br>MWF 2:00pm - 2:50pm | Seats (Total: 25)<br>JMZ 1122 |

**SPAN207H** **Reading and Writing in Spanish**

**SPAN207H Reading and Writing in Spanish; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Distributive Studies - Humanities.
*Prerequisite: Minimum grade of B+ in SPAN203; or must have completed or be concurrently enrolled in SPAN204; or must have appropriate Foreign Language Placement Test (FLPT) score.* Selected readings with emphasis on reading comprehension and the development of reading strategies. Work in composition writing and a review of selected grammatical topics. Complements material of SPAN204.

| | | |
|---|---|---|
| 0101 | Karen Krausen<br>MWF 10:00am - 10:50am | Seats (Total: 25)<br>JMZ 2207 |

**SPAN235** **Issues in Latin American Studies II**

**SPAN235 Issues in Latin American Studies II; (3 credits)** Grade Method: REG. CORE Humanities (HO) Course. CORE Diversity (D) Course.
*Also offered as: PORT235, LASC235. Credit only granted for: SPAN235, PORT235, or LASC235.* Major issues shaping Latin American and Caribbean societies including the changing constructions of race, ethnicity, gender and class as well as expressions of popular cultures and revolutionary practices. A continuation of SPAN/PORT/LASC234, but completion of 234 is not a prerequisite. Taught in English.

| | | |
|---|---|---|
| 0101 | Alan Dillingham<br>TuTh 11:00am - 12:15pm | Seats (Total: 35)<br>KEY 0125 |
| 0201 | Shari Orisich<br>MW 11:00am - 12:15pm | Seats (Total: 35)<br>KEY 0125 |

**SPAN269A** **Special Topics in Study Abroad II; B1 Intermediate Level Spanish 1**
**Contact department for information to register for this course.**

**SPAN269B** **Special Topics in Study Abroad II; B1 Intermediate Level Spanish 2**
**Contact department for information to register for this course.**

**SPAN269I** **Special Topics in Study Abroad II; Intensive Intermediate Spanish**
**Contact department for information to register for this course.**

**SPAN269L** **Special Topics in Study Abroad II; Spanish Language B1**
**Contact department for information to register for this course.**

**SPAN301** **Advanced Grammar and Composition I**

**SPAN301 Advanced Grammar and Composition I; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Must have completed or be concurrently enrolled in SPAN207.* Practice of complex grammatical structures through reading and writing of compositions and essays. Specific lexical, syntactic, rhetorical, and stylistic devices will be highlighted.

| | | |
|---|---|---|
| 0301 | Ana Acedo Garcia<br>MWF 11:00am - 11:50am | Seats (Total: 20)<br>JMZ 1122 |

| | | |
|---|---|---|
| 0401 | Ana Acedo Garcia<br>MWF 12:00pm - 12:50pm | Seats (Total: 20)<br>JMZ 1122 |
| 0501 | Lisa Carney<br>MWF 1:00pm - 1:50pm | Seats (Total: 20)<br>JMZ 1224 |
| 0601 | Douglas Glynn<br>MWF 2:00pm - 2:50pm | Seats (Total: 20)<br>JMZ 2120 |
| 0701 | Maggy Rodriguez<br>MWF 1:00pm - 1:50pm | Seats (Total: 20)<br>JMZ 0122 |
| BL01 | Fabian Faccio<br>MWF 9:00am - 9:50am | Seats (Total: 20)<br>JMZ 2206 |
| | *Blended Learning courses combine face-to-face and online interactions.* | |
| BL02 | Ana Acedo Garcia<br>MWF 10:00am - 10:50am | Seats (Total: 20)<br>JMZ 2120 |
| | *Blended Learning courses combine face-to-face and online interactions.* | |

**SPAN302** **Advanced Grammar and Composition II**

**SPAN302 Advanced Grammar and Composition II; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: SPAN301.* Practice in and writing of different types of compositions and essays, including narrations, descriptions, and persuasive writing. Review of problematic syntactical structures.

| | | |
|---|---|---|
| 0101 | Sebastian Bartis<br>MWF 9:00am - 9:50am | Seats (Total: 20)<br>JMZ 1117 |
| 0201 | Maria Campero<br>MWF 10:00am - 10:50am | Seats (Total: 20)<br>JMZ 0120 |
| 0301 | Anne Giller-Wilde<br>MWF 11:00am - 11:50am | Seats (Total: 20)<br>JMZ 1124 |
| 0401 | Anne Giller-Wilde<br>MWF 12:00pm - 12:50pm | Seats (Total: 20)<br>JMZ 1120 |

**SPAN303** **Approaches to Cultural Materials in the Hispanic World**

**SPAN303 Approaches to Cultural Materials in the Hispanic World; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: SPAN207; or permission of instructor.* Development of proficiency in critical thought through the reading, viewing, and analytical discussion of major genres and styles of cultural materials selected from Spanish-speaking world. Taught in Spanish.

| | | |
|---|---|---|
| 0101 | Regina Harrison<br>MW 2:00pm - 3:15pm | Seats (Total: 20)<br>JMZ 3120 |
| 0201 | Mehl Penrose<br>TuTh 12:30pm - 1:45pm | Seats (Total: 20)<br>JMZ 2125 |
| 0301 | Oscar Santos Sopena<br>MWF 10:00am - 10:50am | Seats (Total: 20)<br>JMZ 1224 |
| 0401 | Hernan De Pinillos<br>MWF 1:00pm - 1:50pm | Seats (Total: 20)<br>JMZ 3120 |
| 0501 | Norman Gonzalez<br>MWF 12:00pm - 12:50pm | Seats (Total: 20)<br>JMZ 0120 |
| 0601 | Juan Carlos Quintero-Herencia<br>TuTh 11:00am - 12:15pm | Seats (Total: 20)<br>JMZ 1224 |

**SPAN306** **Spanish II for Native Speakers**

**SPAN306 Spanish II for Native Speakers; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: SPAN206.* Practice of complex grammatical structures through reading and writing of compositions and essays. Specific lexical, syntactic, rhetorical and stylistic devices will be highlighted. Designed for Spanish speakers educated in English.

| | | |
|---|---|---|
| 0101 | Evelyn Canabal-Torres<br>MWF 11:00am - 11:50am | Seats (Total: 25)<br>JMZ 2122 |

**SPAN307** **Oral Communication Skills for Native Speakers of Spanish**

**SPAN307 Oral Communication Skills for Native Speakers of Spanish; (3 credits)** Grade Method: REG/P-F/AUD.
Development of techniques for formal public speaking in Spanish. Writing and delivering oral presentations for varied audiences and purposes. Includes strategies for organization, the use of rhetorical patterns, and the development of effective discourse. Designed for bilingual students who are native speakers of Spanish (Heritage Language learners), who have been educated in the U.S. and whose Spanish ability is mainly oral.

| | | |
|---|---|---|
| 0101 | Evelyn Canabal-Torres<br>MWF 1:00pm - 1:50pm | Seats (Total: 25)<br>JMZ 2117 |

**SPAN315** **Commercial Spanish I**
**Contact department for information to register for this course.**

**SPAN318** **Translation of Technical Texts**

**SPAN318 Translation of Technical Texts; (3 credits)** Grade Method: REG/P-F/AUD.

| | | |
|---|---|---|
| 0101 | Rebeca Moreno-Orama<br>MWF 10:00am - 10:50am | Seats (Total: 20)<br>JMZ 1103 |
| 0201 | Andrew Milacci<br>MWF 11:00am - 11:50am | Seats (Total: 20)<br>TYD 1132 |
| 0301 | Maria Gomez-Martin<br>MWF 12:00pm - 12:50pm | Seats (Total: 20)<br>JMZ 2122 |

**SPAN331** **Spanish Culture, Civilization and Literature I: Medieval Times**
**Contact department for information to register for this course.**

**SPAN332** **Spanish Culture, Civilization and Literature II: Renaissance and Baroque**

**SPAN332 Spanish Culture, Civilization and Literature II: Renaissance and Baroque; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: SPAN301 and SPAN303; or permission of instructor.* An overview of cultural and literary production of Spain from the late 15th through late 17th centuries, exploring the production of literary texts in their socio-historical, political, religious and cultural contexts and development. Taught in Spanish.

| | | |
|---|---|---|
| 0101 | Carmen Benito-Vessels | Seats (Total: 25) |
| | TuTh 12:30pm - 1:45pm | JMZ 2207 |

**SPAN333** **Spanish Culture, Civilization and Literature III: Modern Times**

**SPAN333 Spanish Culture, Civilization and Literature III: Modern Times; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: SPAN301 and SPAN303; or permission of instructor. Restriction: Must not have completed SPAN322 or SPAN326. Credit only granted for: SPAN322, SPAN326, or SPAN333.* An overview of cultural and literary production of Spain from the late 17th century through the present day, exploring the production of literary texts in their socio-historical, political, religious and cultural contexts and development. Taught in Spanish.

| | | |
|---|---|---|
| 0101 | Maria Becerril Longares | Seats (Total: 25) |
| | MW 2:00pm - 3:15pm | JMZ 2122 |

**SPAN335** **Cultural History of Seville**
**Contact department for information to register for this course.**

**SPAN361** **Latin American Literatures and Cultures I: From Pre-Columbian to Colonial Times**
**Contact department for information to register for this course.**

**SPAN362** **Latin American Literatures and Cultures II: From Independence to Nation Formation**

**SPAN362 Latin American Literatures and Cultures II: From Independence to Nation Formation; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: SPAN301 and SPAN303; or permission of instructor.* An overview of cultural and literary production of Latin America from the 18th Century to approximately 1900, exploring the production of literary texts in their socio-historical, political, and cultural contexts and development. Taught in Spanish.

| | | |
|---|---|---|
| 0101 | Sofia Calzada-Orihuela<br>TuTh 2:00pm - 3:15pm | Seats (Total: 25)<br>JMZ 0205 |
| 0301 | Laura Quijano<br>MWF 1:00pm - 1:50pm | Seats (Total: 25)<br>JMZ 3203 |

**SPAN363** **Latin American Literatures and Cultures III: From Modernism to Neo-Liberalism**

**SPAN363 Latin American Literatures and Cultures III: From Modernism to Neo-Liberalism; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: SPAN301 and SPAN303; or permission of instructor. Restriction: Must not have completed SPAN324 or SPAN347. Credit only granted for: SPAN324, SPAN347, or SPAN363.* An overview of cultural and literary production of Latin America from the late 19th through the early 21st centuries, exploring the production of literary texts in their socio-historical, political, and cultural contexts and development. Taught in Spanish.

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|---|---|---|
| 0101 | Laura Demaria<br>TuTh 9:30am - 10:45am | Seats (Total: 25)<br>JMZ 2125 |
| 0201 | Jason Bartles<br>MWF 12:00pm - 12:50pm | Seats (Total: 25)<br>JMZ 2120 |

**SPAN369A** **Special Topics in Study Abroad III; Advanced Oral Communication in Spanish**
**Contact department for information to register for this course.**

**SPAN369B** **Special Topics in Study Abroad III; Advanced Academic Writing in Spanish**
**Contact department for information to register for this course.**

**SPAN369F** **Special Topics in Study Abroad III; Spanish Oral Skills through Theatre**
**Contact department for information to register for this course.**

**SPAN369G** **Special Topics in Study Abroad III; Spanish for the Health Professional**
**Contact department for information to register for this course.**

**SPAN369I** **Special Topics in Study Abroad III; Advanced Studies in Spanish**
**Contact department for information to register for this course.**

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|---|---|
| **SPAN369M** | **Special Topics in Study Abroad III; Spanish Language B2**<br>**Contact department for information to register for this course.** |
| **SPAN369O** | **Special Topics in Study Abroad III; Spanish Conversation and Oral Skills**<br>**Contact department for information to register for this course.** |
| **SPAN369Q** | **Special Topics in Study Abroad III; Spanish Phonetics and Phonology**<br>**Contact department for information to register for this course.** |
| **SPAN369R** | **Special Topics in Study Abroad III; Advanced Reading Skills in Spanish**<br>**Contact department for information to register for this course.** |
| **SPAN369T** | **Special Topics in Study Abroad III; Angloamerican Travelers in Spain**<br>**Contact department for information to register for this course.** |
| **SPAN369V** | **Special Topics in Study Abroad III; Advanced Present-Day Spanish Usage**<br>**Contact department for information to register for this course.** |
| **SPAN369W** | **Special Topics in Study Abroad III; Spanish Stylistics / Advanced Spanish Writing and Stylistics**<br>**Contact department for information to register for this course.** |
| **SPAN369Y** | **Special Topics in Study Abroad III; B2 Advanced Level Spanish 1**<br>**Contact department for information to register for this course.** |
| **SPAN369Z** | **Special Topics in Study Abroad III; B2 Advanced Level Spanish 2**<br>**Contact department for information to register for this course.** |
| **SPAN386** | **Experiential Learning**<br>**SPAN386** *(PermReq)* **Experiential Learning; (3-6 credits)** Grade Method: REG/P-F. Individual Instruction course: contact department or instructor to obtain section number.<br>*Prerequisite: Permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Junior standing or higher.*<br>**Contact department for information to register for this course.** |
| **SPAN399** | **Independent Study in Spanish** |

**SPAN399** *(PermReq)* **Independent Study in Spanish; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.
Prerequisite: permission of department.

**Contact department for information to register for this course.**

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**SPAN401** **Advanced Composition I**
**Contact department for information to register for this course.**

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**SPAN402** **Advanced Composition II**
**Contact department for information to register for this course.**

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**SPAN408C** **Great Themes of the Hispanic Literatures; Paradise Lost: Cuban Cinematic Culture**

**SPAN408C Great Themes of the Hispanic Literatures: Paradise Lost: Cuban Cinematic Culture; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Eyda Merediz | Seats (Total: 25) |
| | MW 2:00pm - 3:15pm | JMZ 2117 |

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**SPAN408D** **Great Themes of the Hispanic Literatures; Hoy: Constructing the Present. A Southern Cone Itinerary**

**SPAN408D Great Themes of the Hispanic Literatures: Hoy: Constructing the Present. A Southern Cone Itinerary; (3 credits)** Grade Method: REG/P-F/AUD.

| | | |
|---|---|---|
| 0101 | Laura Demaria | Seats (Total: 25) |
| | TuTh 11:00am - 12:15pm | JMZ 2125 |

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**SPAN408G** **Great Themes of the Hispanic Literatures; The Way of St. James: History, Politics, Art History, Literaures and Law**

**SPAN408G Great Themes of the Hispanic Literatures: The Way of St. James: History, Politics, Art History, Literaures and Law; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Carmen Benito-Vessels | Seats (Total: 25) |
| | TuTh 2:00pm - 3:15pm | JMZ 3205 |

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**SPAN408J** **Great Themes of the Hispanic Literatures; Contemporary Mexican Literature**

**Contact department for information to register for this course.**

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**SPAN408N** **Great Themes of the Hispanic Literatures; Love, Science, Religion and the Pursuit of Criollo Independeence in 18th-Century Mexico**

**Contact department for information to register for this course.**

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**SPAN408R** **Great Themes of the Hispanic Literatures; Cervantes: Don Quixote**

**SPAN408R Great Themes of the Hispanic Literatures: Cervantes: Don Quixote; (3 credits)** Grade Method: REG/P-F/AUD.

| | | |
|---|---|---|
| 0101 | Hernan De Pinillos | Seats (Total: 25) |
| | MWF 11:00am - 11:50am | JMZ 2120 |

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**SPAN408Y** **Great Themes of the Hispanic Literatures; Contemporary Spanish Short Story**

**Contact department for information to register for this course.**

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**SPAN408Z** **Great Themes of the Hispanic Literatures; 20th Century Contemporary Latin American Cinema**

**Contact department for information to register for this course.**

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**SPAN409F** **Great Themes of the Hispanic Literatures; Mitos Literarios y Filosofia en la Tradicion Europea**

**Contact department for information to register for this course.**

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**SPAN409M** **Great Themes of the Hispanic Literatures; Contemporary Spain through Spanish Cinema**

**Contact department for information to register for this course.**

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**SPAN409N** **Great Themes of the Hispanic Literatures; 20th Century Spanish History and Cinema**

**Contact department for information to register for this course.**

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**SPAN409O** **Great Themes of the Hispanic Literatures; Images of Spain in Contemporary Cinema**

**Contact department for information to register for this course.**

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**SPAN409W** **Great Themes of the Hispanic Literatures; Women Writers of Spain**

**Contact department for information to register for this course.**

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**SPAN409Y** **Great Themes of the Hispanic Literatures; Filmmaking in Spain**

**Contact department for information to register for this course.**

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**SPAN409Z** **Great Themes of the Hispanic Literatures; Spanish Film and Theatre**
**Contact department for information to register for this course.**

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**SPAN415** **Commercial Spanish II**

**SPAN415 Commercial Spanish II; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: SPAN315; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Sophomore standing or higher.* Business Spanish terminology, vocabulary and practices. Emphasis on everyday spoken and written Spanish. Readings and discussions of international topics. Cross-cultural considerations relative to international business operations, including exporting and banking.

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|---|---|---|
| 0101 | Fabian Faccio<br>MWF 10:00am - 10:50am | Seats (Total: 25)<br>JMZ 2206 |
| 0201 | Fabian Faccio<br>MWF 11:00am - 11:50am | Seats (Total: 25)<br>JMZ 2206 |
| 0401 | Fabian Faccio<br>MWF 1:00pm - 1:50pm | Seats (Total: 25)<br>JMZ 2206 |

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**SPAN422** **Cross-Cultural Communication**

**SPAN422 Cross-Cultural Communication; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Diversity - Cultural Competency.
*Prerequisite: SPAN315. Restriction: Must be in Spanish Language, Literatures, and Cultures program; and junior standing or higher.* Focuses on the relationship of language and culture of those operating in world markets. Particular attention will be given to cross-cultural communication, linguistic systems, and culture specific perceptions of the Hispanic world.

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|---|---|---|
| 0101 | Roberta Lavine<br>TuTh 11:00am - 12:15pm | Seats (Total: 25)<br>JMZ 2206 |

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**SPAN426** **Introduction to Hispanic Linguistics II: Language in Use**

**SPAN426 Introduction to Hispanic Linguistics II: Language in Use; (3 credits)**
Grade Method: REG/P-F/AUD.
*Prerequisite: SPAN425. Also offered as: SPAN626.* Designed for students without previous experience in Linguistics. Focus on language variation and use, linguistic change, and bilingualism.

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|---|---|---|
| 0101 | Ana Acedo Garcia | Seats (Total: 20) |
| | MW 3:30pm - 4:45pm | JMZ 0205 |

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|---|---|
| **SPAN430** | **Cervantes: Don Quijote**<br>**Contact department for information to register for this course.** |
| **SPAN449A** | **Special Topics in Spanish Civilization; Spanish Civilization**<br>**Contact department for information to register for this course.** |
| **SPAN449C** | **Special Topics in Spanish Civilization; History of Spain II: 20th Century**<br>**Contact department for information to register for this course.** |
| **SPAN449J** | **Special Topics in Spanish Civilization; Mosaic: Jews, Muslims and the Spanish Experience**<br>**Contact department for information to register for this course.** |
| **SPAN449M** | **Special Topics in Spanish Civilization; Barcelona and Madrid: Contemporary Film and Theatre**<br>**Contact department for information to register for this course.** |
| **SPAN449Q** | **Special Topics in Spanish Civilization; 20th Century History of Spain and the Basque Country**<br>**Contact department for information to register for this course.** |
| **SPAN449Z** | **Special Topics in Spanish Civilization; Literature and Cinema in the Contemporary City**<br>**Contact department for information to register for this course.** |
| **SPAN462** | **Twentieth Century Drama**<br>**Contact department for information to register for this course.** |
| **SPAN464** | **Contemporary Spanish Poetry**<br>**Contact department for information to register for this course.** |
| **SPAN466** | **The Contemporary Spanish Novel** |

**Contact department for information to register for this course.**

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**SPAN469A** **Study Abroad Special Topics IV; Advanced Topics in Spanish Language**
**Contact department for information to register for this course.**

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**SPAN469C** **Study Abroad Special Topics IV; Composition**
**Contact department for information to register for this course.**

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**SPAN479** **Honors Thesis**

**SPAN479** *(PermReq)* **Honors Thesis; (3-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**SPAN495** **Honors Reading**

**SPAN495 Honors Reading; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number. *Prerequisite: Must be in Spanish and Portuguese Honors; or permission of ARHU-School of Languages, Literatures, and Cultures department.* Supervised reading.

**Contact department for information to register for this course.**

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**SPAN699** **Independent Study in Spanish**

**SPAN699 Independent Study in Spanish; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**SPAN788N** **Seminar Series in Spanish and Latin American Languages, Literatures, and Cultures; On Narrative Contruction**

**SPAN788N Seminar Series in Spanish and Latin American Languages, Literatures, and Cultures: On Narrative Contruction; (2 credits)** Grade Method: REG/AUD.
Class meets on the following Fridays from 3pm-6pm; 1/25, 2/08, 2/22, 3/08, 3/29, 4/12, 4/26, and 5/3 in JMZ 2207.

| | | |
|---|---|---|
| 0101 | Sergio Chejfec<br>F 3:00pm - 6:00pm | Seats (Total: 10)<br>Location: TBA |

**SPAN798C** **Open Seminar; Dictatorship, Exile, and Democracy: Cases from the Southern Cone**

**SPAN798C Open Seminar: Dictatorship, Exile, and Democracy: Cases from the Southern Cone; (3 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Saul Sosnowski<br>W 3:00pm - 5:30pm | Seats (Total: 10)<br>JMZ 1122 |

**SPAN798D** **Open Seminar; Literary and Critical Theory: Poetics of Essay**

**SPAN798D Open Seminar: Literary and Critical Theory: Poetics of Essay; (3 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Juan Carlos Quintero-Herencia<br>Th 4:30pm - 7:00pm | Seats (Total: 10)<br>JMZ 2122 |

**SPAN798P** **Open Seminar; Queer Readings of Spanish Romantic, Realist and Naturalist Writings**

**SPAN798P Open Seminar: Queer Readings of Spanish Romantic, Realist and Naturalist Writings; (3 credits)** Grade Method: REG/AUD.

| | | |
|---|---|---|
| 0101 | Mehl Penrose<br>Tu 4:30pm - 7:00pm | Seats (Total: 10)<br>JMZ 2122 |

**SPAN799** **Master's Thesis Research**

**SPAN799 Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**SPAN898** **Pre-Candidacy Research**

**SPAN898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**SPAN899** **Doctoral Dissertation Research**

**SPAN899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

## SPHL Public Health Spring 2013

**SPHL298A** **Applications in Public Health; School of Public Health Ambassador Program**

**SPHL298A Applications in Public Health: School of Public Health Ambassador Program; (1 credit)** Grade Method: REG/P-F/AUD.

| | | |
|---|---|---|
| 0101 | Erin Caporellie | Seats (Total: 15) |
| | Tu 12:30pm - 2:00pm | CHE 2116 |

**SPHL389** **Public Health Science Independent Study**

**SPHL389 Public Health Science Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD.

| | | |
|---|---|---|
| SG91 | Jennifer Todd | Seats (Total: 20) |
| | Contact instructor or department for details. | |

**SPHL402** **Public Health Emergency Preparedness**

**SPHL402 Public Health Emergency Preparedness; (3 credits)** Grade Method: REG/P-F/AUD.
Intensive introduction to public health emergency preparedness. Course will provide students with an overview of the role of public health in planning, prevention, preparedness, response, and recovery from disasters, both manmade and natural.

| | | |
|---|---|---|
| SG91 | Jennifer Todd | Seats (Total: 40) |
| | Th 3:30pm - 6:20pm | Location: TBA |
| | *Class meets at the Shady Grove campus.* | |

**SPHL412** **Food, Policy, and Public Health**

**SPHL412 Food, Policy, and Public Health; (3 credits)** Grade Method: REG/P-F/AUD.

*Recommended: NFSC100.* Broad overview of the impact of food and food policy on public health. Course covers topics such as access to food, food systems, influence of food policies on the individual, the cost of food, influences on food selection, food safety risks and responses, nutrition-related health challenges, and a comparison of US food/nutrition issues with those of other nations. For school of public health students only. Class meets at the Shady Grove Campus

| | | |
|---|---|---|
| SG91 | Mariya Fox-Rabinovich | Seats (Total: 40) |
| | W 12:00pm - 2:50pm | BLD3 3226 |
| | *Restricted to Shady Grove Students in the Public Health Science program* | |

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**SPHL491** **Public Health Science Internship**

**SPHL491** *(PermReq)* **Public Health Science Internship; (3 credits)** Grade Method: REG/P-F/AUD.

*Restriction: Must be in Public Health Science program.* The Public Health Science internship will enable students to gain practical experience under conditions conducive to educational and professional development. The internship is a time-limited, supervised period of public health professional experience carried out in a related professional organization. Students will be required to submit information to document their progress and experiences.

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|---|---|---|
| SG91 | Jennifer Todd | Seats (Total: 40) |
| | Contact instructor or department for details. | |
| | *Restricted to Shady Grove Students in the Public Health Science program* | |

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**SPHL498F** **Special Topics in Public Health; Social, Political, and Ethical Issues of Public Health**

**SPHL498F Special Topics in Public Health: Social, Political, and Ethical Issues of Public Health; (3 credits)** Grade Method: REG/P-F/AUD.

| | | |
|---|---|---|
| SG91 | Allison Bayley | Seats (Total: 20) |
| | M 5:00pm - 7:50pm | BLD3 2226 |
| | *Restricted to Shady Grove Students in the Public Health Science program* | |

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|---|---|---|
| SG92 | Blair Coleman<br>Th 9:00am - 11:50am | Seats (Total: 20)<br>BLD3 4225 |
| | *Restricted to Shady Grove Students in the Public Health Science program* | |

**SPHL498L** **Special Topics in Public Health; Fundamentals of Health Communication**

**SPHL498L Special Topics in Public Health: Fundamentals of Health Communication; (3 credits)** Grade Method: REG/P-F/AUD.

| | | |
|---|---|---|
| SG91 | Lynn Cook<br>W 3:15pm - 6:05pm | Seats (Total: 40)<br>BLD3 3240 |
| | *Restricted to Shady Grove Students in the Public Health Science program* | |

**SPHL498M** **Special Topics in Public Health; Public Health in Practice**

**SPHL498M Special Topics in Public Health: Public Health in Practice; (3 credits)** Grade Method: REG/P-F/AUD.
This is a co-requisite with SPHL491, section SG91. Students must register for both courses.

| | | |
|---|---|---|
| SG91 | Blakely Pomietto, Jennifer Todd<br>Tu 12:15pm - 3:05pm | Seats (Total: 40)<br>Location: TBA |

**SPHL498Q** **Special Topics in Public Health; Social Marketing and Social Media in Public Health**

**SPHL498Q Special Topics in Public Health: Social Marketing and Social Media in Public Health; (3 credits)** Grade Method: REG/P-F/AUD.

| | | |
|---|---|---|
| SG91 | Melissa May<br>Tu 6:00pm - 8:50pm | Seats (Total: 35)<br>BLD3 2206 |
| | *Social Marketing and Social Media in Public Health* | |

**SPHL498R** **Special Topics in Public Health; Wellness Works: Planning Prevention Programs**

**SPHL498R Special Topics in Public Health: Wellness Works: Planning Prevention Programs; (3 credits)** Grade Method: REG/P-F/AUD.

| | | |
|---|---|---|
| SG91 | Sarah Vicente<br>Th 5:00pm - 7:50pm | Seats (Total: 40)<br>BLD3 3206 |

**SPHL610** **Global Health Program Planning and Evaluation**

**SPHL610 Global Health Program Planning and Evaluation; (3 credits)** Grade Method: REG/AUD.
*Recommended: SPHL600. Credit only granted for: SPHL610 or SPHL698D. Formerly: SPHL698D.* Development of health program and evaluation plans to address critical health problems in international settings, especially transitional or in-conflict countries. Emphasis on linking a tactical program plan to overall health problems of a nation, to include the policy and economic issues involved in assessment, implementation and evaluation.

| | | |
|---|---|---|
| PSG1 | Muhiuddin Haider<br>Th 6:00pm - 8:45pm | Seats (Total: 20)<br>BLD3 4226 |
| | *Restricted to students in the Global Health Certificate. Meets at Universities of Shady Grove.* | |

# STAT Statistics and Probability Spring 2013

**STAT100** **Elementary Statistics and Probability**

**STAT100 Elementary Statistics and Probability; (3 credits)** Grade Method: REG/P-F/AUD. CORE Mathematics or Formal Reasoning (MS) Course. GenEd: Fundamental Studies - Analytic Reasoning; Fundamental Studies - Math.
*Prerequisite: MATH112, MATH110, MATH113, or MATH115; or permission of CMNS-Mathematics department. Restriction: Must not have completed MATH111; or must not have completed any MATH or STAT course with a prerequisite of MATH141. Credit only granted for: STAT100 or MATH111.* Simplest tests of statistical hypotheses; applications to before-and-after and matched pair studies. Events, probability, combinations, independence. Binomial probabilities, confidence limits. Random variables, expected values, median, variance. Tests based on ranks. Law of large numbers, normal approximation. Estimates of mean and variance.

| | | |
|---|---|---|
| 0101 | Kijoeng Nam<br>MWF 12:00pm - 12:50pm | Seats (Total: 31)<br>MTH 0103 |
| 0102 | Matthew Whiteway<br>MWF 12:00pm - 12:50pm | Seats (Total: 30)<br>ARM 0105 |
| 0103 | Ian Johnson<br>MWF 12:00pm - 12:50pm | Seats (Total: 30)<br>MTH 0306 |

| | | |
|---|---|---|
| 0104 | Jacky Chong<br>MWF 12:00pm - 12:50pm | Seats (Total: 30)<br>MTH 0305 |
| 0105 | James Murphy<br>MWF 12:00pm - 12:50pm | Seats (Total: 31)<br>MTH 0304 |
| 0106 | Mark Magsino<br>MWF 12:00pm - 12:50pm | Seats (Total: 30)<br>MTH 0101 |
| 0107 | Lucas Tcheuko<br>MWF 12:00pm - 12:50pm | Seats (Total: 30)<br>MTH 0407 |
| 0201 | Kijoeng Nam<br>MWF 2:00pm - 2:50pm | Seats (Total: 30)<br>MTH 0103 |
| 0202 | Matthew Whiteway<br>MWF 2:00pm - 2:50pm | Seats (Total: 30)<br>MTH 0305 |
| 0203 | Ian Johnson<br>MWF 2:00pm - 2:50pm | Seats (Total: 30)<br>MTH B0421 |
| 0204 | Jacky Chong<br>MWF 2:00pm - 2:50pm | Seats (Total: 30)<br>MTH 0409 |
| 0205 | James Murphy<br>MWF 2:00pm - 2:50pm | Seats (Total: 30)<br>MTH B0425 |
| 0206 | Mark Magsino<br>MWF 2:00pm - 2:50pm | Seats (Total: 30)<br>MTH 0306 |
| 0207 | Lucas Tcheuko<br>MWF 2:00pm - 2:50pm | Seats (Total: 30)<br>MTH 0403 |

**STAT400 Applied Probability and Statistics I**

**STAT400 Applied Probability and Statistics I; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in MATH131; or MATH141; or students who have taken courses with comparable content may contact the department. Credit only granted for: BMGT231, ENEE324, or STAT400. Additional information: Not acceptable toward graduate degrees in MATH/STAT/AMSC.* Random variables, standard distributions, moments, law of large numbers and central limit theorem. Sampling methods, estimation of parameters, testing of hypotheses.

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|---|---|---|---|
| 0111 | John Millson<br>TuTh 12:30pm - 1:45pm<br>W 8:00am - 9:15am | Seats (Total: 30)<br>ARM 0126<br>MTH 0401 | Discussion |
| 0112 | John Millson<br>TuTh 12:30pm - 1:45pm<br>W 8:00am - 9:15am | Seats (Total: 30)<br>ARM 0126<br>MTH 0403 | Discussion |
| 0121 | John Millson<br>TuTh 12:30pm - 1:45pm<br>W 9:30am - 10:45am | Seats (Total: 30)<br>ARM 0126<br>MTH 0401 | Discussion |
| 0122 | John Millson<br>TuTh 12:30pm - 1:45pm<br>W 9:30am - 10:45am | Seats (Total: 30)<br>ARM 0126<br>MTH 0403 | Discussion |
| 0131 | John Millson<br>TuTh 12:30pm - 1:45pm<br>W 12:30pm - 1:45pm | Seats (Total: 30)<br>ARM 0126<br>MTH 0401 | Discussion |
| 0132 | John Millson<br>TuTh 12:30pm - 1:45pm<br>W 12:30pm - 1:45pm | Seats (Total: 30)<br>ARM 0126<br>MTH 0405 | Discussion |
| 0133 | John Millson<br>TuTh 12:30pm - 1:45pm<br>W 12:30pm - 1:45pm | Seats (Total: 30)<br>ARM 0126<br>MTH 0303 | Discussion |
| 0134 | John Millson<br>TuTh 12:30pm - 1:45pm<br>W 12:30pm - 1:45pm | Seats (Total: 30)<br>ARM 0126<br>EGR 2116 | Discussion |

| | | | |
|---|---|---|---|
| 0141 | John Millson<br>TuTh 12:30pm - 1:45pm<br>W 2:00pm - 3:15pm | Seats (Total: 30)<br>ARM 0126<br>MTH 0401 | Discussion |
| 0142 | John Millson<br>TuTh 12:30pm - 1:45pm<br>W 2:00pm - 3:15pm | Seats (Total: 30)<br>ARM 0126<br>MTH 0405 | Discussion |
| 0143 | John Millson<br>TuTh 12:30pm - 1:45pm<br>W 2:00pm - 3:15pm | Seats (Total: 30)<br>ARM 0126<br>MTH 0303 | Discussion |
| 0201 | Timothy Pilachowski<br>TuTh 12:30pm - 1:45pm | Seats (Total: 45)<br>MTH B0421 | |

**STAT401** **Applied Probability and Statistics II**

**STAT401 Applied Probability and Statistics II; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: STAT400. Additional information: Not acceptable toward graduate degrees in MATH/STAT/AMSC.* Point estimation - unbiased and consistent estimators. Interval estimation. Minimum variance and maximum likelihood estimators. Testing of hypotheses. Regression, correlation and analysis of variance. Sampling distributions. Elements of non-parametric methods.

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|---|---|---|---|
| 0101 | Yuan Liao<br>MWF 1:00pm - 1:50pm | Seats (Total: 30)<br>MTH 0306 | |
| 0201 | Joan Ren<br>TuTh 11:00am - 12:15pm | Seats (Total: 30)<br>MTH 0307 | |

**STAT410** **Introduction to Probability Theory**

**STAT410 Introduction to Probability Theory; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: MATH240 and MATH241. Also offered as: SURV410. Credit only granted for: STAT410 or SURV410.* Probability and its properties. Random variables and distribution functions in one and several dimensions. Moments. Characteristic functions. Limit theorems.

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|---|---|---|
| 0101 | Sandra Cerrai<br>TuTh 11:00am - 12:15pm | Seats (Total: 27)<br>HBK 0105 |
| 0201 | Grace Yang<br>TuTh 12:30pm - 1:45pm | Seats (Total: 27)<br>MTH 0409 |
| 0301 | Christian Zickert<br>TuTh 11:00am - 12:15pm | Seats (Total: 27)<br>CHM 0128 |

**STAT420** **Introduction to Statistics**

**STAT420 Introduction to Statistics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: SURV410 or STAT410. Also offered as: SURV420. Credit only granted for: STAT420 or SURV420.* Point estimation, sufficiency, completeness, Cramer-Rao inequality, maximum likelihood. Confidence intervals for parameters of normal distribution. Hypothesis testing, most powerful tests, likelihood ratio tests. Chi-square tests, analysis of variance, regression, correlation. Nonparametric methods. Offered Spring only.

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|---|---|---|
| 0101 | Jian Lun Xu<br>TuTh 5:00pm - 6:15pm | Seats (Total: 35)<br>MTH B0421 |

**STAT430** **Introduction to Statistical Computing with SAS**

**STAT430 Introduction to Statistical Computing with SAS; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Minimum grade of C- in STAT400.* Descriptive and inferential statistics. SAS software: numerical and graphical data summaries; merging, sorting and splitting data sets. Least squares, regression, graphics and informal diagnostics, interpreting results. Categorical data, lifetime data, time series. Applications to engineering, life science, business and social science.

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|---|---|---|
| 0101 | Benjamin Kedem<br>MWF 10:00am - 10:50am | Seats (Total: 25)<br>CHM 1224 |
| 0201 | David Shaw<br>MWF 10:00am - 10:50am | Seats (Total: 25)<br>MTH 0303 |

**STAT464** **Introduction to Biostatistics**

**STAT464 Introduction to Biostatistics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: Must have completed one semester of calculus. Restriction: Junior standing or higher. Additional information: Not acceptable toward degrees in MATH/STAT.* Probabilistic models. Sampling. Some applications of probability in genetics. Experimental designs. Estimation of effects of treatments. Comparative experiments. Fisher-Irwin test. Wilcoxon tests for paired comparisons.

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|---|---|---|
| 0101 | Casey Cremins | Seats (Total: 30) |
| | TuTh 2:00pm - 3:15pm | MTH 0304 |

**STAT470** **Actuarial Mathematics**

**STAT470 Actuarial Mathematics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: MATH240 and MATH241. Recommended: STAT400.* Major mathematical ideas involved in calculation of life insurance premiums, including compound interest and present valuation of future income streams; probability distribution and expected values derived from life tables; the interpolation of probability distributions from values estimated at one-year multiples; the 'Law of Large Numbers' describing the regular probabilistic behavior of large populations of independent individuals; and the detailed calculation of expected present values arising in insurance problems.

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|---|---|---|
| 0101 | Natalia Tchetcherina | Seats (Total: 34) |
| | TuTh 2:00pm - 3:15pm | MTH B0421 |

**STAT498A** **Selected Topics in Statistics**

**STAT498A** *(PermReq)* **Selected Topics in Statistics; (1-6 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**STAT601** **Probability Theory II**

**STAT601 Probability Theory II; (3 credits)** Grade Method: REG/AUD. *Prerequisite: STAT600.* Weak convergence of measures; characteristic functions; Central Limit Theorem and local limit theorem; stable laws; Kolmogorov consistency theorem (without proof); conditional expectations and martingales; optimal stopping theorem; convergence of martingales; Brownian motion; Markov processes and families; stochastic integral and Ito formula. Offered Spring only.

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|---|---|---|
| 0101 | Leonid Koralov | Seats (Total: 20) |
| | MWF 1:00pm - 1:50pm | MTH 1311 |

**STAT650** **Applied Stochastic Processes**

**STAT650 Applied Stochastic Processes; (3 credits)** Grade Method: REG/AUD. *Prerequisite: STAT410; or students who have taken courses with comparable content may contact the department.* Basic concepts of stochastic processes. Markov processes (discrete and continuous parameters), Random walks, Poisson processes, Birth and death processes. Renewal processes and basic limit theorems. Discrete time martingales, stopping times, optional sampling theorem. Applications from theories of stochastic epidemics, survival analysis and others.

| | | |
|---|---|---|
| 0101 | Grace Yang | Seats (Total: 20) |
| | TuTh 9:30am - 10:45am | MTH 1308 |

**STAT689** **Research Interactions in Statistics**

**STAT689** *(PermReq)* **Research Interactions in Statistics; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**STAT698A** **Selected Topics in Probability**

**STAT698A Selected Topics in Probability; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**STAT701** **Mathematical Statistics II**

**STAT701 Mathematical Statistics II; (3 credits)** Grade Method: REG/AUD. *Prerequisite: STAT700; or students who have taken courses with comparable content may contact the department.* Testing hypotheses: parametric methods. Neyman-Pearson lemma. Uniformly most powerful tests. Unbiased tests. Locally optimal tests. Large sample theory, asymptotically best procedures. Nonparametric methods, Wilcoxon, Fisher-Yates, median tests. Linear models, analysis of variance, regression and correlation. Sequential analysis. Offered Spring only.

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|---|---|---|
| 0101 | Abram Kagan | Seats (Total: 20) |
| | TuTh 5:00pm - 6:15pm | MTH 1311 |

**STAT741** **Linear Statistical Models II**

**STAT741 Linear Statistical Models II; (3 credits)** Grade Method: REG/AUD. *Prerequisite: STAT740.* Continuation of STAT 740. Multiway layouts, incomplete designs, Latin squares, complete and fractional factorial designs, crossed and nested models. Balanced random effects models, mixed models, repeated measures.General mixed model, computational algorithms, ML and REML estimates. Generalized linear models, logistic and loglinear regression. Offered Spring only.

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|---|---|---|
| 0101 | Paul Smith | Seats (Total: 30) |
| | MWF 2:00pm - 2:50pm | MTH 0105 |

**STAT770** **Analysis of Categorical Data**

**STAT770 Analysis of Categorical Data; (3 credits)** Grade Method: REG/AUD. *Prerequisite: STAT430 and STAT420; or permission of CMNS-Mathematics department.* Loglinear and logistic models. Single classification, two-way classification; contingency tables; tests of homogeneity and independence models, measures of association, distribution theory. Bayesian methods. Incomplete contingency tables. Square contingency tables - symmetry. Extensions to higher dimensional contingency tables.

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|---|---|---|
| 0101 | Joan Ren | Seats (Total: 20) |
| | TuTh 12:30pm - 1:45pm | MTH 0307 |

**STAT798A** **Selected Topics in Statistics**

**STAT798A Selected Topics in Statistics; (1-4 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**STAT798E** **Selected Topics in Statistics; Perturbation Theory for Systems with Multiple Stable Regimes**

**STAT798E Selected Topics in Statistics: Perturbation Theory for Systems with Multiple Stable Regimes; (1-4 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Mark Freidlin | Seats (Total: 20) |
| | TuTh 11:00am - 12:15pm | CHE 2118 |

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**STAT799** **Master's Thesis Research**

**STAT799 Master's Thesis Research; (1-6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**STAT898** **Pre-Candidacy Research**

**STAT898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**STAT899** **Doctoral Dissertation Research**

**STAT899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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## SURV Survey Methodology Spring 2013

**SURV400** **Fundamentals of Survey Methodology**

**SURV400** *(PermReq)* **Fundamentals of Survey Methodology; (3 credits)** Grade Method: REG.
*Prerequisite: STAT100; or permission of BSOS-Joint Program in Survey Methodology department. Credit only granted for: SURV699M or SURV400. Formerly: SURV699M.* Introduces the student to a set of principles of survey design that are the basis of standard practices in the field. The course exposes the student to both observational and experimental methods to test key hypotheses about the nature of human behavior that affect the quality of survey data. It will also present important statistical concepts and techniques in simple design, execution, and estimation, as well as models of behavior describing errors in responding to survey questions. Not acceptable to graduate degrees in Survey Methodology (SURV).

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|---|---|---|
| 0101 | David Cantor<br>**Meets January 24, 2013 - May 9, 2013**<br>Th 12:00pm - 3:00pm | Seats (Total: 20)<br><br>LEF 1208 |
| SV01 | David Cantor<br>**Meets January 24, 2013 - May 9, 2013**<br>Th 12:00pm - 3:00pm<br>*Class meets at the Census Bureau in Suitland, MD.* | Seats (Total: 20)<br><br>Location: TBA |

**SURV410** **Introduction to Probability Theory**

**SURV410 Introduction to Probability Theory; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: MATH240 and MATH241; or permission of BSOS-Joint Program in Survey Methodology department. Also offered as: STAT410. Credit only granted for: SURV410 or STAT410.* Probability and its properties. Random variables and distribution functions in one and several dimensions. Moments, characteristic functions, and limit theorems.

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|---|---|---|
| 0101 | Sandra Cerrai<br>TuTh 11:00am - 12:15pm | Seats (Total: 27)<br>HBK 0105 |
| 0201 | Grace Yang<br>TuTh 12:30pm - 1:45pm | Seats (Total: 27)<br>MTH 0409 |
| 0301 | Christian Zickert<br>TuTh 11:00am - 12:15pm | Seats (Total: 27)<br>CHM 0128 |

**SURV420** **Introduction to Statistics**

**SURV420 Introduction to Statistics; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: SURV410 or STAT410. Also offered as: STAT420. Credit only granted for: STAT420 or SURV420.* Mathematical statistics, presenting point estimation, sufficiency, completeness, Cramer-Rao inequality, maximum likelihood, confidence intervals for parameters of normal distributions, chi-square tests, analysis of variance, regression, correlation, and nonparametric methods. Offered Spring only.

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|---|---|---|
| 0101 | Jian Lun Xu | Seats (Total: 35) |
| | TuTh 5:00pm - 6:15pm | MTH B0421 |

**SURV616** **Statistical Methods II**

**SURV616** *(PermReq)* **Statistical Methods II; (3 credits)** Grade Method: REG/AUD. *Prerequisite: SURV615.* Builds on the introduction to linear models and data analysis provided in Statistical Methods I. Topics include analysis of longitudinal data and time series, categorical data analysis and contingency tables, logistic regression, log-linear models for counts, statistical methods in epidemiology, and introductory life testing.

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|---|---|---|
| 0101 | James Wagner | Seats (Total: 20) |
| | **Meets January 6, 2013 - April 20, 2013** | |
| | F 12:30pm - 3:00pm | LEF 1208 |

**SURV625** **Applied Sampling**

**SURV625** *(PermReq)* **Applied Sampling; (3 credits)** Grade Method: REG/AUD. *Prerequisite: Must have completed a course in statistics approved by department.* Practical aspects of sample design. Topics include: probability sampling (including simple random, systematic, stratified, clustered, multistage and two-phase sampling methods), sampling with probabilities proportional to size, area sampling, telephone sampling, ratio estimation, sampling error estimation, frame problems, nonresponse, and cost factors.

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|---|---|---|
| 0101 | Yan Li, James Lepkowski | Seats (Total: 15) |
| | **Meets January 4, 2013 - April 18, 2013** | |
| | W 1:00pm - 4:00pm | LEF 1208 |

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|---|---|---|
| SV01 | James Lepkowski, Yan Li | Seats (Total: 15) |
| | **Meets January 9, 2013 - April 18, 2013** | |
| | W 1:00pm - 4:00pm | Location: TBA |
| | *Class meets at the Census Bureau in Suitland, MD.* | |

**SURV630** **Questionnaire Design**

**SURV630 Questionnaire Design; (3 credits)** Grade Method: REG/AUD.
*Credit only granted for: SURV430 and SURV630.* The stages of questionnaire design; developmental interviewing, question writing, question evaluation, pretesting, and questionnaire ordering and formatting. Reviews of the literature on questionnaire construction, the experimental literature on question effects, and the psychological literature on information processing. Examination of the diverse challenges posed by self versus proxy reporting and special attention is paid to the relationship between mode of administration and questionnaire design.

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|---|---|---|
| 0101 | Ting Yan | Seats (Total: 15) |
| | **Meets January 15, 2013 - April 16, 2013** | |
| | Tu 12:00pm - 3:00pm | LEF 1208 |

**SURV640** **Survey Practicum I**

**SURV640** *(PermReq)* **Survey Practicum I; (2 credits)** Grade Method: REG.
*Restriction: Must be in one of the following programs (Survey Methodology (Doctoral); Survey Methodology (Master's)) ; or permission of instructor. Credit only granted for: SURV620 or SURV640. Formerly: SURV620. Additional information: SURV640 and SURV641 must be taken in consecutive semesters.* First part of an applied workshop in sample survey design, implementation, and analysis. Problems of moving from substantive concepts to questions on a survey questionnaire, designing a sample, pretesting and adminstering the survey.

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|---|---|---|
| 0101 | Stanley Presser | Seats (Total: 15) |
| | **Meets January 23, 2013 - May 9, 2013** | |
| | W 4:00pm - 6:00pm | LEF 1218 |

**SURV699** **Special Topics in Survey Methodology; Readings in Survey Methodology**

**SURV699** *(PermReq)* **Special Topics in Survey Methodology: Readings in Survey Methodology; (1-4 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Frederick Conrad<br>Contact instructor or department for details. | Seats (Total: 10) |
| 0201 | Frauke Kreuter<br>**Meets January 23, 2013 - April 19, 2013**<br>Contact instructor or department for details. | Seats (Total: 10) |
| 0301 | Robert Croninger<br>**Meets January 23, 2013 - April 19, 2013**<br>Contact instructor or department for details. | Seats (Total: 10) |

**SURV699T** **Special Topics in Survey Methodology; Social and Economic Data**

**SURV699T** *(PermReq)* **Special Topics in Survey Methodology: Social and Economic Data; (3 credits)** Grade Method: REG/AUD.
Click here for more course information.

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|---|---|---|
| 0101 | Lars Vilhuber, John Abowd<br>**Meets January 28, 2013 - May 6, 2013**<br>M 1:25pm - 4:10pm | Seats (Total: 15)<br>LEF 2208 |
| SV01 | John Abowd, Lars Vilhuber<br>**Meets January 28, 2013 - May 6, 2013**<br>M 1:25pm - 4:10pm<br>*Class meets at the Census Bureau in Suitland, MD.* | Seats (Total: 15)<br>Location: TBA |

**SURV721** **Total Survey Error II**

**SURV721** *(PermReq)* **Total Survey Error II; (2 credits)** Grade Method: REG/AUD. *Prerequisite: SURV720. Restriction: Permission of instructor. Credit only granted for: (SURV720 and SURV721) or SURV723. Formerly: SURV723.* Second part of a review of total survey error structure of sample survey data. Reviewing current research findings on the magnitudes of different error sources. Students will continue work on an independent research project which provides empirical investigation of one or more error source. An analysis paper presenting findings of the project will be submitted at the end of the course.

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|---|---|---|
| 0101 | Brady West, Frauke Kreuter<br>**Meets January 9, 2013 - April 16, 2013**<br>W 10:00am - 12:30pm | Seats (Total: 20)<br>LEF 1208 |

**SURV742** **Inference from Complex Surveys**

**SURV742** *(PermReq)* **Inference from Complex Surveys; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: SURV440.* Inference from complex sample survey data covering the theoretical and empirical properties of various variance estimation strategies (e.g., Taylor series approximation, replicated methods, and bootstrap methods for complex sample designs). Incorporation of those methods into inference for complex sample survey data. Variance estimation procedures applied to descriptive estimators and to analysis of categorical data. Generalized variances and design effects presented. Methods of model-based inference for complex sample surveys examined, and results contrasted to the design-based type of inference used as the standard in the course. Real survey data illustrating the methods discussed. Students will learn the use of computer software that takes account of the sample design in estimation.

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|---|---|---|
| 0101 | Brady West, Robert Fay<br>**Meets January 8, 2013 - April 16, 2013**<br>Tu 3:00pm - 5:40pm | Seats (Total: 20)<br><br>LEF 1208 |
| SV01 | Brady West, Robert Fay<br>**Meets January 8, 2013 - April 16, 2013**<br>Tu 3:00pm - 5:40pm<br>*Class will meet at the Bureau of Labor and Statistics, Conference Room 10 in Washington, DC.* | Seats (Total: 10)<br><br>Location: TBA |

**SURV744** **Topics in Sampling**

**SURV744** *(PermReq)* **Topics in Sampling; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: SURV440.* Advanced course in survey sampling theory.

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| 0101 | Keith Rust<br>**Meets January 10, 2013 - April 19, 2013**<br>Th 3:00pm - 5:40pm | Seats (Total: 15)<br><br>LEF 1208 |

**SURV760** **Survey Management**

**SURV760 Survey Management; (3 credits)** Grade Method: REG/AUD.
Modern practices in the administration of large scale surveys. Alternative management structures for large field organizations, supervisory and training regimens, handling of turnover, and multiple surveys with the same staff. Practical issues in budgeting of surveys are reviewed with examples from actual surveys. Scheduling of sequential activities in the design, data collection, and processing of data is described.

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|---|---|---|
| 0101 | Steven Heeringa | Seats (Total: 20) |
| | **Meets January 14, 2013 - April 16, 2013** | |
| | M 1:30pm - 4:00pm | LEF 1208 |
| | *Course open to JPSM students only and students from other departments will need permission to register.* | |
| SV01 | Steven Heeringa | Seats (Total: 15) |
| | **Meets January 14, 2013 - April 16, 2013** | |
| | M 1:30pm - 4:00pm | Location: TBA |
| | *Class meets at the Census Bureau in Suitland, MD.* | |

**SURV772** **Survey Design Seminar**

**SURV772 Survey Design Seminar; (3 credits)** Grade Method: REG/AUD.
*Credit only granted for: (SURV770 and SURV771) or SURV772. Formerly: SURV770 and SURV771.* Students present solutions to design issues presented to the seminar. Readings are selected from literatures not treated in other classes and practical consulting problems are addressed.

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|---|---|---|
| 0101 | Douglas Currivan | Seats (Total: 10) |
| | **Meets January 8, 2013 - May 9, 2013** | |
| | Tu 3:30pm - 6:00pm | LEF 2208 |

**SURV798B** **Advanced Topics in Survey Methodology; Small Area Estimation**

**SURV798B** *(PermReq)* **Advanced Topics in Survey Methodology: Small Area Estimation; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Partha Lahiri | Seats (Total: 15) |
| | **Meets January 29, 2013 - May 9, 2013** | |
| | Tu 9:30am - 12:00pm | LEF 1208 |

**SURV829** **Doctoral Research Seminar in Survey Methodology**

**SURV829** *(PermReq)* **Doctoral Research Seminar in Survey Methodology; (3-6 credits)** Grade Method: REG.

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|---|---|---|
| 0101 | Partha Lahiri, Frederick Conrad | Seats (Total: 10) |
| | **Meets January 23, 2013 - April 16, 2013** | |
| | W 10:00am - 12:30pm | LEF 1218 |

**SURV898** **Pre-Candidacy Research**

**SURV898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**SURV899** **Doctoral Dissertation Research**

**SURV899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# TDPS Theatre, Dance and Performance Studies Spring 2013

**TDPS201** **Introduction to Technical Production**

**TDPS201** *(PermReq)* **Introduction to Technical Production; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Must be in a major within ARHU-Dance department; or must be in a major within ARHU-Theatre department. Credit only granted for: DANC210 and THET114 or TDPS201. Formerly: DANC210 and THET114.* Students are provided with an overview of topics related to the technical production of theatre and dance including: scenic, prop and costume construction, lighting, sound and video execution and management structures.

| | | | |
|---|---|---|---|
| 0101 | Joshua Madsen | Seats (Total: 30) | |
| | MW 4:00pm - 4:50pm | PAC 1815 | |
| | F 3:30pm - 5:30pm | PAC 1702 | Lab |

**TDPS479** **Production Practicum**

**TDPS479** *(PermReq)* **Production Practicum; (1-3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: TDPS201. Formerly THET479. A specified practical aspect of mounting a theatre or dance production with hands-on, laboratory experience.

| | | |
|---|---|---|
| 1001 | Sharon King<br>Contact instructor or department for details. | Seats (Total: 15) |
| 1002 | Sharon King<br>Contact instructor or department for details. | Seats (Total: 15) |
| 1003 | Sharon King<br>Contact instructor or department for details. | Seats (Total: 15) |
| 1004 | Sharon King<br>Contact instructor or department for details. | Seats (Total: 15) |
| 1005 | Sharon King<br>Contact instructor or department for details. | Seats (Total: 15) |
| 1006 | Sharon King<br>Contact instructor or department for details. | Seats (Total: 15) |
| 1007 | Sharon King<br>Contact instructor or department for details. | Seats (Total: 15) |
| 2001 | Sharon King<br>Contact instructor or department for details. | Seats (Total: 15) |
| 2002 | Sharon King<br>Contact instructor or department for details. | Seats (Total: 15) |
| 2003 | Sharon King<br>Contact instructor or department for details. | Seats (Total: 15) |
| 2004 | Sharon King<br>Contact instructor or department for details. | Seats (Total: 15) |
| 2005 | Sharon King<br>Contact instructor or department for details. | Seats (Total: 15) |
| 2006 | Sharon King<br>Contact instructor or department for details. | Seats (Total: 15) |

# THET Theatre Spring 2013

**THET110** **Introduction to the Theatre**

**THET110 Introduction to the Theatre; (3 credits)** Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.
Introduction to the people of the theatre: actors, directors, designers and backstage personnel. The core and characteristics of a play script; theatrical forms and styles; and theatre history.

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|---|---|---|---|
| 0101 | Korey Rothman<br>MW 10:00am - 10:50am<br>W 2:00pm - 2:50pm | Seats (Total: 25)<br>CHE 2110<br>JMP 1202 | Discussion |
| 0102 | Korey Rothman<br>MW 10:00am - 10:50am<br>W 3:00pm - 3:50pm | Seats (Total: 25)<br>CHE 2110<br>CSS 2416 | Discussion |
| 0103 | Korey Rothman<br>MW 10:00am - 10:50am<br>W 11:00am - 11:50am | Seats (Total: 25)<br>CHE 2110<br>HJP 1125 | Discussion |
| 0104 | Korey Rothman<br>MW 10:00am - 10:50am<br>W 12:00pm - 12:50pm | Seats (Total: 25)<br>CHE 2110<br>ASY 3215 | Discussion |
| 0105 | Korey Rothman<br>MW 10:00am - 10:50am<br>W 1:00pm - 1:50pm | Seats (Total: 25)<br>CHE 2110<br>HBK 0123 | Discussion |
| 0201 | Korey Rothman<br>MW 11:00am - 11:50am<br>W 2:00pm - 2:50pm | Seats (Total: 25)<br>CHE 2110<br>CSS 2416 | Discussion |
| 0202 | Korey Rothman<br>MW 11:00am - 11:50am<br>W 3:00pm - 3:50pm | Seats (Total: 25)<br>CHE 2110<br>TLF 1101 | Discussion |

| | | | |
|---|---|---|---|
| 0203 | Korey Rothman<br>MW 11:00am - 11:50am<br>W 1:00pm - 1:50pm | Seats (Total: 25)<br>CHE 2110<br>HBK 0108 | <br><br>Discussion |
| 0204 | Korey Rothman<br>MW 11:00am - 11:50am<br>W 12:00pm - 12:50pm | Seats (Total: 25)<br>CHE 2110<br>HJP 1125 | <br><br>Discussion |
| 0205 | Korey Rothman<br>MW 11:00am - 11:50am<br>W 1:00pm - 1:50pm | Seats (Total: 22)<br>CHE 2110<br>HBK 1112 | <br><br>Discussion |

**THET116** **Fundamentals of Theatrical Design**

**THET116 Fundamentals of Theatrical Design; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Freshman standing; and must be in Theatre program; and permission of ARHU-School of Theatre, Dance & Performance Studies department.* Examines theatre as an environmental art that is realized through collaboration between set, costume, and lighting designers.

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|---|---|---|---|
| 0101 | Sarah Tundermann, Rebecca Delapp<br>MW 3:30pm - 5:20pm | Seats (Total: 20)<br>PAC 2733 | <br>Lab |

**THET210** **Movement for Actors**

**THET210** *(PermReq)* **Movement for Actors; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: TDPS201, THET116, THET222, and THET223; and permission of ARHU-School of Theatre, Dance & Performance Studies department.* Focuses on increasing a performer's presence on stage. Will include the F.M. Alexander technique, movement improvisation, exercises for balance, strength, flexibility and stamina.

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|---|---|---|---|
| 0101 | Nicholas Horan<br>MW 1:00pm - 2:50pm | Seats (Total: 14)<br>PAC 2740 | <br>Lab |

**THET222** **Foundations of Acting and Performance**

**THET222** *(PermReq)* **Foundations of Acting and Performance; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department; and must have less than 60 credits. Credit only granted for: THET220 or THET222. Formerly: THET220.* Introduction to various acting techniques, especially Dallas- and Spolin-based improvisation and affective memory; an exploration of the nature of the planned performance and the collaborative creative process. Class will culminate with showcase performance experiences.

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|---|---|---|
| 0101 | Ashley Smith<br>MW 10:00am - 11:50am | Seats (Total: 20)<br>PAC 3736 |
| 0102 | Caroline Clay<br>MW 1:00pm - 2:50pm | Seats (Total: 20)<br>PAC 3732 |

**THET223** **Text and Context in Western Theatre**

**THET223** *(PermReq)* **Text and Context in Western Theatre; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department; and must have less than 60 credits. Credit only granted for: (THET223 and THET113) or (THET223 and THET115). Formerly: THET113 and THET115.* Explores social, political, and cultural development of Western theatre from classical period to twenty-first century. Part of the Foundation series for Theatre majors. Prepares students for upper-level courses in global theatre.

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|---|---|---|
| 0102 | Matthew Wilson<br>TuTh 2:00pm - 3:15pm | Seats (Total: 25)<br>PAC 1815 |

**THET250** **American Musical Theatre and Popular Culture**

**THET250 American Musical Theatre and Popular Culture; (3 credits)** Grade Method: REG/P-F/AUD.
*Credit only granted for: THET250 or THET350. Formerly: THET350.* An exploration of the complicated history of some of America's most popular entertainments from learned pig shows, to vaudeville, to musical theatre. It connects the history of America's diverse racial and ethnic communities to the evolution of forms like minstrels, Wild West Shows, and showboat theatre. It also traces the history of our most popular and enduring art form--the musical comedy--from the Ziegfeld Follies to Rent and beyond.

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|---|---|---|
| 0101 | Michael Boynton<br>TuTh 12:30pm - 1:45pm | Seats (Total: 20)<br>PAC 1815 |

**THET269T** **Special Topics in Study Abroad II; 20th Century and Contemporary Spanish Theater**
**Contact department for information to register for this course.**

**THET285** **The Art of Communication and Presentation**

**THET285 The Art of Communication and Presentation; (3 credits)** Grade Method: REG/P-F/AUD. GenEd: Fundamental Studies - Oral Communications.
*Credit only granted for: COMM107, COMM200, INAG110, JOUR130, or THET285.* An introduction to the fundamental practice and theory of public speaking and oral communication using theatrical techniques of both performance and the craft of storytelling.

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|---|---|---|
| 0101 | David Demke, Claudia Rosales<br>MW 1:00pm - 2:50pm | Seats (Total: 25)<br>PAC 3736 |
| 0102 | Nicholas Horan, Teresa Bayer<br>MW 10:00am - 11:50am | Seats (Total: 25)<br>PAC 3730 |

**THET289I** **Subversive Culture**

**THET289I Subversive Culture; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. GenEd: Distributive Studies - History and Social Sciences; Signature Courses - I-Series.
Also offfered as ANTH298I.

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|---|---|---|---|
| 0101 | Laurie Frederik Meer<br>TuTh 11:00am - 12:15pm | Seats (Total: 35)<br>JMP 2202 | |

**THET291** **American Theatre 1890-Present**

**THET291 American Theatre 1890-Present; (3 credits)** Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. GenEd: Distributive Studies - Humanities.
*Formerly: THET310.* Traces the evolution of the American theatre during the twentieth century, aligning this theatre with the major shifts and movements of American society itself, and arriving at the uniquely American theatre and culture of today.

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|---|---|---|---|
| 0101 | Adam Sheaffer, Matthew Shifflett<br>MW 11:00am - 11:50am<br>W 12:00pm - 12:50pm | Seats (Total: 25)<br>TYD 1102<br>TYD 1132 | <br><br>Discussion |
| 0102 | Adam Sheaffer, Matthew Shifflett<br>MW 11:00am - 11:50am<br>W 1:00pm - 1:50pm | Seats (Total: 25)<br>TYD 1102<br>TYD 1132 | <br><br>Discussion |

**THET299** **Independent Study**

**THET299** *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**THET299L** **Independent Study; Analyzing Performances**
**Contact department for information to register for this course.**

**THET299Z** **Independent Study; Issues of Realism**
**Contact department for information to register for this course.**

**THET310** **Voice for the Actor I**

**THET310** *(PermReq)* **Voice for the Actor I; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: THET116, THET222, THET223, and TDPS201; and must Interview; and permission of ARHU-School of Theatre, Dance & Performance Studies department. Restriction: Sophomore standing or higher.* Freeing the natural voice. In-depth experience of connection of actor's voice to thought, impulse and emotion. Tools for releasing tension, increasing resonance and range, and refining articulation will be explored.

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|---|---|---|---|
| 0101 | Caroline Clay, Anupama Yadav | Seats (Total: 12) | |
| | TuTh 2:00pm - 3:50pm | PAC 3736 | Lab |
| 0102 | David Demke | Seats (Total: 12) | |
| | MW 10:00am - 11:50am | PAC 2740 | Lab |

**THET325** **Actor's Process I**

**THET325** *(PermReq)* **Actor's Process I; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Must have completed or be concurrently enrolled in THET310 and THET362; or permission of Instructor. And must audition; and permission of ARHU-School of Theatre, Dance & Performance Studies department.* Focus on use of self in creating character. Tools employed include decision-making and use of imagery, personalization, objectives, adjectives, and verbs.

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|---|---|---|---|
| 0101 | Mitchell Hebert | Seats (Total: 12) | |
| | M 12:00pm - 2:50pm | PAC 3730 | Lab |

**THET360** **Voice Archetypes**

**THET360** *(PermReq)* **Voice Archetypes; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: THET310 and THET362; and must audition; and permission of ARHU-School of Theatre, Dance & Performance Studies department. Credit only granted for: THET360 or THET399Z. Formerly: THET399Z.* The student will learn how to apply archetypal characters and expand performance potentialities, increase vocal self knowledge, discover rhythms, pitch variations, and sounds that reflect inner states of being.

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|---|---|---|---|
| 0101 | Leigh Smiley | Seats (Total: 12) | |
| | TuTh 9:30am - 11:20am | PAC 2740 | Lab |

**THET362** **Alexander Technique**

**THET362** *(PermReq)* **Alexander Technique; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: THET222, THET116, THET223, and TDPS201; and permission of ARHU-School of Theatre, Dance & Performance Studies department. Recommended: Concurrently enroll in any THET 300-level Performance course. Credit only granted for: THET399J or THET362. Formerly: THET399J.* Based on the F.M. Alexander Technique, students will learn to recognize habit patterns that interfere with how they function and express themselves so that they can make conscious choices as a performing artist.

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| 0101 | Leslie Felbain | Seats (Total: 12) | |
| | TuTh 9:30am - 11:20am | PAC 3736 | Lab |

**THET369X** **Special Topics in Study Abroad III; Fourth-Year French II**
**Contact department for information to register for this course.**

**THET383** **Costume Design I**

**THET383** *(PermReq)* **Costume Design I; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: TDPS201 or THET114; and (THET116, THET222, THET223, and THET373). Or permission of ARHU-School of Theatre, Dance & Performance Studies department. Credit only granted for: THET383 or THET480. Formerly: THET480.*
Basic principles of theatre costume design and introduction to rendering skills. Emphasis on development of design conception, unity, character statement, basic clothing design and period style adaptation.

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|---|---|---|---|
| 0101 | Mikhail Kachman | Seats (Total: 10) | |
| | TuTh 2:00pm - 3:15pm | PAC 2733 | |

**THET384** **Stage Costume Construction II**

**THET384** *(PermReq)* **Stage Costume Construction II; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: THET284; or permission of ARHU-School of Theatre, Dance & Performance Studies department. Credit only granted for: THET384 or THET487. Formerly: THET487.* Study and practical experience in the construction of stage costumes, props and accessories. Pattern development by draping, millinery, and crafts.

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|---|---|---|
| 0101 | Emily Hoem | Seats (Total: 5) |
| | TuTh 9:00am - 11:50am | PAC 3749 |

**THET386** **Experiential Learning**
**Contact department for information to register for this course.**

**THET399** **Independent Study**

**THET399** *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**THET399D** **Independent Study; Media Design**

**THET399D Independent Study: Media Design; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Jared Mezzocchi | Seats (Total: 8) |
| | TuTh 11:00am - 12:45pm | PAC 2727 |

**THET399F** **Independent Study; Modern British Theater**
**Contact department for information to register for this course.**

**THET399H** **Independent Study; London Stage**
**Contact department for information to register for this course.**

**THET399L** **Independent Study; Contemporary British Drama**
**Contact department for information to register for this course.**

**THET399Q** **Independent Study; Shakespearean Actors and Actresses**

**THET399Q Independent Study: Shakespearean Actors and Actresses; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Sara Thompson<br>MW 12:00pm - 1:15pm | Seats (Total: 20)<br>PAC 1815 |

**THET399T** **Independent Study; Introduction to Dramatic Adaptation**

**THET399T Independent Study: Introduction to Dramatic Adaptation; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Jessica Krenek<br>MW 2:00pm - 3:15pm | Seats (Total: 20)<br>PAC 1815 |

**THET399X** **Independent Study; The London Stage**
**Contact department for information to register for this course.**

**THET408D** **Seminar: Theory and Performance Studies; Dramaturgy**

**THET408D** *(PermReq)* **Seminar: Theory and Performance Studies: Dramaturgy; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: interview and permission required.

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|---|---|---|
| 0101 | Faedra Carpenter<br>Tu 2:00pm - 4:30pm | Seats (Total: 10)<br>PAC 1924 |

**THET410** **The American Theatre**
**Contact department for information to register for this course.**

**THET429** **Actor's Studio**
**Contact department for information to register for this course.**

**THET451** **Musical Theatre Workshop I**

**THET451** *(PermReq)* **Musical Theatre Workshop I; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: Must audition. Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department.* Development of the ability to move, act and express through the media of lyric and music.

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| 0101 | Scot Reese | Seats (Total: 16) | |
| | M 3:00pm - 6:00pm | PAC 2740 | Lab |

**THET472** **Scene Painting**

**THET472** *(PermReq)* **Scene Painting; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: THET114 or TDPS201; or permission of ARHU-School of Theatre, Dance & Performance Studies department.* Scene painting techniques and materials. Three-dimensional realistic scenery and non-realistic two-dimensional projects.

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|---|---|---|
| 0101 | Ann Chismar | Seats (Total: 10) |
| | F 10:00am - 1:50pm | PAC 1702 |

**THET474** **Advanced Stage Management**

**THET474** *(PermReq)* **Advanced Stage Management; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: THET114 or TDPS201; and (THET116, THET222, THET223, and THET274); and permission of ARHU-School of Theatre, Dance & Performance Studies department. Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department; and sophomore standing or higher.* Intensive practical study of the techniques and procedures for stage management.

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| 0101 | Cary Gillett | Seats (Total: 12) |
| | MW 3:00pm - 4:30pm | PAC 2804 |

**THET475** **History of Art, Architecture, and Decor for the Theatre**

**THET475** *(PermReq)* **History of Art, Architecture, and Decor for the Theatre; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: THET114 or TDPS201; and (THET116, THET222, and THET223); and permission of ARHU-School of Theatre, Dance & Performance Studies department. Also offered as: THET670. Credit only granted for: THET475 or THET670.* Study of Western art, architecture, and decor and their practical application to theatrical production.

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| 0101 | Mikhail Kachman | Seats (Total: 14) |
| | TuTh 9:30am - 10:45am | PAC 1815 |

**THET489B** **Special Topics in Theatre History from 1800 to Present; Boycotts to Broadway**

**THET489B Special Topics in Theatre History from 1800 to Present: Boycotts to Broadway; (3 credits)** Grade Method: REG/P-F/AUD.

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| 0101 | Faedra Carpenter | Seats (Total: 30) |
| | TuTh 11:00am - 12:15pm | PAC 1815 |

**THET489D** **Special Topics in Theatre History from 1800 to Present; Asian American Theatre**

**THET489D Special Topics in Theatre History from 1800 to Present: Asian American Theatre; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Esther Lee | Seats (Total: 30) |
| | TuTh 2:00pm - 3:15pm | COL 0100 |

**THET497** **Non-Traditional Theatre**
**Contact department for information to register for this course.**

**THET499** **Independent Study**

**THET499** *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**THET499C** **Independent Study; Theatrical Clown**

**THET499C** *(PermReq)* **Independent Study: Theatrical Clown; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: audition and permission of department.

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| 0101 | Leslie Felbain | Seats (Total: 12) | |
| | TuTh 1:30pm - 3:20pm | PAC 2740 | Lab |

**THET499G** **Independent Study; Realism and Theater Naturalism**
**Contact department for information to register for this course.**

**THET499J** **Independent Study; Advanced CAD**

**THET499J** *(PermReq)* **Independent Study: Advanced CAD; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Joshua Madsen | Seats (Total: 3) |
| | TuTh 9:30am - 10:45am | PAC 2727 |

**THET499P** **Independent Study; Advanced Playwriting**

**THET499P** *(PermReq)* **Independent Study: Advanced Playwriting; (3 credits)** Grade Method: REG/P-F/AUD.
Prerequisite: an interview and permission of department.

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|---|---|---|
| 0101 | Walter Dallas | Seats (Total: 10) |
| | MW 10:00am - 11:50am | PAC 2804 |

**THET499Q** **Independent Study; Theatrical Forms and Genres**
**Contact department for information to register for this course.**

**THET499R** **Independent Study; Issues of Realism**
**Contact department for information to register for this course.**

**THET499T** **Independent Study; Texts and Images of the Italian Theatre**

**THET499T Independent Study: Texts and Images of the Italian Theatre; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as ITAL499T.

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| 0101 | Federica Deigan<br>TuTh 12:30pm - 1:45pm | Seats (Total: 25)<br>JMZ 2117 |

**THET499Y** **Independent Study; The London Stage**
**Contact department for information to register for this course.**

**THET499Z** **Independent Study; The London Stage**
**Contact department for information to register for this course.**

**THET610** **The American Theatre**

**THET610 The American Theatre; (3 credits)** Grade Method: REG/AUD. *Recommended: THET600. Also offered as: THET410.* The American theatre from 1750 to 1950, including position of the theatre in the culture, its typical features, and major artists.

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| 0101 | Heather Nathans<br>Tu 4:00pm - 6:30pm | Seats (Total: 9)<br>PAC 2804 |

**THET617** **Performance Internship**

**THET617** *(PermReq)* **Performance Internship; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
*Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department.* Students design a one-semester internship in an area of interest in professional theatre. The internship will be in collaberation with one of the Department's partner theatre companies, or with another regional professional theatre. Students will complete a written self-assessment as well as an exit interview with their on-site supervisor.

**Contact department for information to register for this course.**

**THET629A** **Performance Lab; PERFORMANCE LABORATORY**

**THET629A Performance Lab: PERFORMANCE LABORATORY; (1 credit)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**THET649** **Advanced Design Studio in Costume**

**THET649** *(PermReq)* **Advanced Design Studio in Costume; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Helen Huang<br>MW 10:00am - 12:00pm | Seats (Total: 3)<br>PAC 2755 |

**THET659** **Advanced Design Studio in Lighting**

**THET659 Advanced Design Studio in Lighting; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Brian MacDevitt<br>F 9:00am - 12:00pm | Seats (Total: 10)<br>PAC 2733 |

**THET669** **Independent Study**

**THET669** *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**THET669D** **Independent Study; Advanced Media Design II**

**THET669D Independent Study: Advanced Media Design II; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Jared Mezzocchi<br>F 9:00am - 12:00pm | Seats (Total: 8)<br>PAC 2727 |

**THET669G** **Independent Study; The Plays of David Henry Hwang**

**THET669G Independent Study: The Plays of David Henry Hwang; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Esther Lee<br>TuTh 11:00am - 12:15pm | Seats (Total: 10)<br>PAC 2804 |

**THET669I** **Independent Study; Stage Costume Construction II**

**THET669I Independent Study: Stage Costume Construction II; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Emily Hoem<br>TuTh 9:00am - 11:50am | Seats (Total: 5)<br>PAC 3749 |

**THET669J** **Independent Study; Advanced CAD**

**THET669J** *(PermReq)* **Independent Study: Advanced CAD; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Joshua Madsen<br>TuTh 9:30am - 10:45am | Seats (Total: 5)<br>PAC 2727 |

**THET669P** **Independent Study; Professional Development**

**THET669P Independent Study: Professional Development; (1 credit)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Heather Nathans<br>Tu 3:00pm - 3:50pm | Seats (Total: 10)<br>PAC 2804 |

**THET670** **Period Style for the Theatre: Fashion and Decor**

**THET670 Period Style for the Theatre: Fashion and Decor; (3 credits)** Grade Method: REG/AUD.
*Recommended: THET600. Also offered as: THET475. Credit only granted for: THET475 or THET670.* A study of environmental decor, theatrical architecture, historic ornament and fashion through the ages and their practical application for theatrical production. For THET majors only.

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| 0101 | Mikhail Kachman<br>TuTh 9:30am - 10:45am | Seats (Total: 6)<br>PAC 1815 |

**THET677** **Production Practices**

**THET677** *(PermReq)* **Production Practices; (3 credits)** Grade Method: REG/AUD. *Restriction: Permission of ARHU-School of Theatre, Dance & Performance Studies department.* Explores business practices in the field of professional theatre, including arts management, development, and marketing.

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|---|---|---|---|
| 0101 | Jennifer Nelson<br>F 2:00pm - 4:00pm | Seats (Total: 8)<br>PAC 1809 | |

**THET678** **Theory of Visual Design For the Performing Arts**

**THET678 Theory of Visual Design For the Performing Arts; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|---|
| 1001 | Aaron Posner<br>MW 1:00pm - 2:50pm | Seats (Total: 6)<br>PAC 2733 | Lab |
| 1301 | Brian MacDevitt<br>MW 1:00pm - 2:50pm | Seats (Total: 6)<br>PAC 3731 | Lab |
| 1601 | Daniel Conway<br>MW 1:00pm - 2:50pm | Seats (Total: 6)<br>PAC 2755 | Lab |

**THET687** **History of Performance Theory: 1960 to the Present**

**THET687 History of Performance Theory: 1960 to the Present; (3 credits)** Grade Method: REG.
*Recommended: THET700 or THET600. Also offered as: THET487.* The third in a sequence of seminars on the history of dramatic and performance theory. Focusing primarily on the European and American avant-gardes, this course examines the development of performance theory and practice from the Absurd to the present.

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| 0101 | Kristen Messer<br>M 4:30pm - 7:00pm | Seats (Total: 10)<br>PAC 2804 |

**THET713** **Introduction to Performance Studies**

**THET713 Introduction to Performance Studies; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: THET700.* Introduces doctoral students to theoretical and methodological issues in performance studies. We will focus on 3 primary areas of research, analyzing representational strategies of adaptations, ethnography, and cultural analysis of theatrical performance. Also offered as ANTH688C.

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|---|---|---|
| 0101 | Laurie Frederik Meer | Seats (Total: 10) |
| | Th 2:00pm - 4:30pm | PAC 2804 |

**THET788** **Master's Tutorial**

**THET788** *(PermReq)* **Master's Tutorial; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**THET789** **Master's Practicum**

**THET789** *(PermReq)* **Master's Practicum; (1-6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**THET799** **Master's Thesis Research**

**THET799** *(PermReq)* **Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**THET888** **Doctoral Practicum in Theatre**

**THET888** *(PermReq)* **Doctoral Practicum in Theatre; (3-9 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**THET889** **Doctoral Tutorial in Theatre**

**THET889** *(PermReq)* **Doctoral Tutorial in Theatre; (3-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**THET898** **Pre-Candidacy Research**

**THET898** *(PermReq)* **Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**THET899** **Doctoral Dissertation Research**

**THET899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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## UMEI Maryland English Institute Spring 2013

**UMEI001** **English as a Foreign Language: Beginning**

International students on F1 visas must maintain a full-time status. Full-time status for undergraduate students will be based on registration for 12 or more semester hours, for graduate students, it is a combination of courses equivalent to 48 units per semester. Registration in UMEI001-004 is equivalent to full-time study. Those enrolled in these courses are not permitted to enroll in any other course work. For further information on what constitutes full-time status, please see: http://www.testudo.umd.edu/soc/fulltime.html.

UMEI courses do not carry credit toward any degree at the University and do not count in the retention plan. Additional fees are required for these courses. For more information, see the financial section in the Registration Guide.

**UMEI001 English as a Foreign Language: Beginning; (12 credits)** Grade Method: S-F.

Intensive course for the non-native speaker of English who has little or no previous knowledge of English. Focus on the rapid acquisition of the basic features of English grammar and pronunciation and on speaking and understanding American English; reading and writing appropriate to the level will be included. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

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|---|---|---|
| 0101 | Nina Liakos, Glenn Knapp | Seats (Total: 15) |
| | **Meets January 10, 2013 - April 30, 2013** | |
| | MTuWThF 9:00am - 11:50am | SQH 1111 |
| | MThF 1:00pm - 2:50pm | EDU 1315 |
| | TuW 1:00pm - 2:50pm | ARM 0103 |

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**UMEI002** **English as a Foreign Language: Intermediate I**

**UMEI002** *(PermReq)* **English as a Foreign Language: Intermediate I; (12 credits)** Grade Method: S-F.

Intensive course for the non-native speaker of English who has had some previous instruction in English. Emphasis on improving listening and speaking skills, on mastering intermediate grammatical structures, and on expanding vocabulary. Includes practice in reading and writing appropriate to the level. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

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|---|---|---|
| 0101 | Diego Hernandez, Glenn Knapp<br>**Meets January 10, 2013 - April 30, 2013**<br>MTuWThF 9:00am - 11:50am<br>MF 1:00pm - 2:50pm<br>TuWTh 1:00pm - 2:50pm | Seats (Total: 15)<br><br>WDS 1131<br>EDU 2102<br>ARM 0118 |
| 0201 | Melanie Baker, Glenn Knapp<br>**Meets January 10, 2013 - April 26, 2013**<br>MTuWThF 9:00am - 11:50am<br>MF 1:00pm - 2:50pm<br>TuWTh 1:00pm - 2:50pm | Seats (Total: 15)<br><br>ARC 1125<br>PLS 1162<br>ARM 0101 |

**UMEI003** **English as a Foreign Language: Intermediate II**

**UMEI003 English as a Foreign Language: Intermediate II; (12 credits)** Grade Method: S-F.

Intensive course for the non-native speaker of English who has mastered the essential structures of English grammar. Emphasis on improving communicative skills for a wide range of linguistic situations, on rapid expansion of vocabulary, and on improving reading comprehension and basic writing skills. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

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|---|---|---|
| 0101 | Diego Hernandez, Daniela Wagner-Loera<br>**Meets January 10, 2013 - April 30, 2013**<br>MTuWThF 9:00am - 11:50am<br>MWF 1:00pm - 2:50pm<br>TuTh 1:00pm - 2:50pm | Seats (Total: 16)<br><br>ARM 0120<br>EDU 3233<br>ARM 0120 |
| 0201 | Marilena Draganescu, Deborah Turner<br>**Meets January 10, 2013 - April 30, 2013**<br>MWF 9:00am - 11:50am<br>TuTh 9:00am - 11:50am<br>MWF 1:00pm - 2:50pm<br>TuTh 1:00pm - 2:50pm | Seats (Total: 15)<br><br>ARM 0103<br>ARM 0118<br>MTH 1308<br>ARM 0121 |

**UMEI004** **English as a Foreign Language: Intermediate III**

**UMEI004** *(PermReq)* **English as a Foreign Language: Intermediate III; (12 credits)** Grade Method: S-F.

Intensive course for the non-native speaker of English who has a good command of the basic features of spoken and written English. Emphasis on refining speaking and listening skills, on improving reading speed and comprehension of academic texts, and on developing writing skills for academic courses. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

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|---|---|---|
| 0101 | DeAnna Coon, Caralyn Bushey | Seats (Total: 18) |
| | **Meets January 10, 2013 - April 30, 2013** | |
| | MTuWThF 9:00am - 11:50am | COL 3109 |
| | MTuWThF 1:00pm - 2:50pm | COL 3109 |
| 0201 | Eric Walker, Daniela Wagner-Loera | Seats (Total: 15) |
| | **Meets January 10, 2013 - April 30, 2013** | |
| | MWF 9:00am - 11:50am | Location: TBA |
| | TuTh 9:00am - 11:50am | Location: TBA |
| | MWF 1:00pm - 2:50pm | ARM 0121 |
| | TuTh 1:00pm - 2:50pm | MTH B0431 |
| 0301 | Annelies Galletta, Deborah Turner | Seats (Total: 17) |
| | **Meets January 10, 2013 - April 30, 2013** | |
| | MTuWThF 9:00am - 11:50am | COL 3110 |
| | MTuWThF 1:00pm - 2:50pm | COL 3110 |

**UMEI005** **Advanced English as a Foreign Language**

**UMEI005 Advanced English as a Foreign Language; (6 credits)** Grade Method: S-F.

Semi-intensive course for the nearly proficient non-native speaker of English needing additional language instruction prior to undertaking full-time academic study. Speaking and listening skills; improvement of reading speed and comprehension; and development of writing skills. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

| | | |
|---|---|---|
| 0101 | Raymond Smith | Seats (Total: 20) |
| | **Meets January 23, 2013 - May 9, 2013** | |
| | MTuWThF 10:00am - 11:50am | HBK 1112 |

**UMEI006** **English Pronunciation**

**UMEI006 English Pronunciation; (2 credits)** Grade Method: S-F.
Individualized class for the non-native speaker of English. Diagnosis of individual pronunciation problems. Practice in the correct pronunciation of English sounds and improvement of ability to speak English with proper stress and intonation patterns. Special fee required for this course. This course does not carry credit towards any degree at the University and does not count in the retention plan.

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|---|---|---|
| 0101 | Amanda Wilder<br>MW 10:00am - 11:30am | Seats (Total: 20)<br>HBK 0108 |

**UMEI007** **Advanced Writing for International Students**

**UMEI007 Advanced Writing for International Students; (3 credits)** Grade Method: S-F.
*Restriction: Must have graduate standing.* A writing skills course for the non-native speaker of English with a good command of spoken English. This course does not carry credit towards any degree at the University and does not count in the retention plan.

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|---|---|---|
| 0101 | Susan Gould<br>TuTh 5:00pm - 6:50pm | Seats (Total: 15)<br>ASY 3207 |
| 0201 | Charles Duquette<br>W 10:00am - 11:50am<br>F 10:00am - 11:50am | Seats (Total: 15)<br>PLS 1164<br>KEY 0120 |
| 0301 | Charles Duquette<br>MW 1:00pm - 2:50pm | Seats (Total: 16)<br>JMZ 2123 |

# UNIV University Courses Spring 2013

**UNIV099** **Internship Seminar**

**UNIV099** *(PermReq)* **Internship Seminar; (No credit)** Grade Method: S-F.
Restriction: Must have earned a minimum cumulative GPA of 2.0 (undergraduates) or 3.0 (graduate students); and Permission of the Career Center; and permission of instructor. Click here for more information.

| | | |
|---|---|---|
| 0101 | Ekaterina Solovyeva, Erica Ely<br>Contact instructor or department for details. | Seats (Total: 50) |

**UNIV100** **The Student in the University**

**UNIV100 The Student in the University; (1 credit)** Grade Method: REG/P-F/AUD. *Credit only granted for: EDCP108O or UNIV100. Formerly: EDCP108O.* Introduces students to University life. In a small classroom setting, students will explore how to successfully bridge the gap between high school and college. Study skills, career decision-making, and student development processes will be explored.

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|---|---|---|
| 0101 | TC Lloyd, Bailey Kier<br>Th 3:00pm - 4:50pm<br>*Restricted to First Semester BSOS Students.* | Seats (Total: 15)<br>PLS 1158 |
| 0201 | Klihsree Myat, Martrez Marshall<br>M 10:00am - 11:50am<br>*Restricted to First Semester BSOS Students.* | Seats (Total: 15)<br>WDS 1127 |
| 0801 | Tiffany Cox<br>**Meets January 28, 2013 - April 12, 2013**<br>M 11:00am - 12:50pm<br>*Restricted to First Semester Letters and Sciences Students.* | Seats (Total: 20)<br>PLS 1117 |
| 0802 | Iceney Williams<br>**Meets January 28, 2013 - April 12, 2013**<br>Tu 11:00am - 12:50pm<br>*Restricted to First Semester Letters and Sciences Students.* | Seats (Total: 20)<br>SYM 0215 |
| 0803 | Jennifer Runnels<br>**Meets January 28, 2013 - April 12, 2013**<br>Th 9:30am - 11:20am<br>*Restricted to First Semester Letters and Sciences Students.* | Seats (Total: 20)<br>HBK 0123 |
| 0805 | Deborah Lake<br>**Meets January 23, 2013 - April 6, 2013**<br>Tu 4:00pm - 5:50pm<br>*Restricted to Returning Destination London Students.* | Seats (Total: 20)<br>HFZ 1101 |

**UNIV101** **The Student in the University and Introduction to Computer Resources**

**UNIV101 The Student in the University and Introduction to Computer Resources; (2 credits)** Grade Method: REG/P-F/AUD.
Introduces students to University life and current computer resources. In a small classroom setting, students will explore the world of higher education and current technological advances available to them. Additionally students will explore current resources both internal and external to the University, and how to utilize the World Wide Web as a research tool.

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| 0101 | Tanesha Leathers, Amanda Bachert<br>W 3:00pm - 4:40pm<br>*Restricted to Arts and Humanities students.* | Seats (Total: 15)<br>HBK 1108 | |

**UNIV108** **Markets and Society Colloquium**

**UNIV108 Markets and Society Colloquium; (1 credit)** Grade Method: REG.
Restricted to students in the Markets and Society Program.

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|---|---|---|---|
| 0162 | Vanessa Freeman<br>M 3:00pm - 3:50pm<br>W 3:00pm - 3:50pm | Seats (Total: 14)<br>MMH 1400<br>PLS 1180 | Discussion |
| 0164 | Vanessa Freeman<br>M 3:00pm - 3:50pm<br>Th 2:00pm - 2:50pm | Seats (Total: 12)<br>MMH 1400<br>CHM 1224 | Discussion |
| 0165 | Vanessa Freeman<br>M 3:00pm - 3:50pm<br>W 3:00pm - 3:50pm | Seats (Total: 13)<br>MMH 1400<br>PLS 1184 | Discussion |
| 0265 | Vanessa Freeman<br>M 3:00pm - 3:50pm<br>W 3:00pm - 3:50pm | Seats (Total: 13)<br>MMH 1400<br>PLS 1176 | Discussion |
| 0268 | Vanessa Freeman<br>M 3:00pm - 3:50pm<br>Th 4:00pm - 4:50pm | Seats (Total: 10)<br>MMH 1400<br>PLS 1172 | Discussion |

**UNIV269** **Connecting Across Cultures**
**Contact department for information to register for this course.**

**UNIV269A** **Connecting Across Cultures; Cultural Realities of Spain**
**Contact department for information to register for this course.**

**UNIV325** **Beyond the Classroom Seminar I: Civic Engagement and Social Change in a Global Context**

**UNIV325 Beyond the Classroom Seminar I: Civic Engagement and Social Change in a Global Context; (3 credits)** Grade Method: REG/P-F/AUD.
*Restriction: Must be in the Beyond the Classroom (BTC) living and learning program.* Develops and applies the concept of civic engagement and strategies for enhancing civic engagement and advancing social justice in different contexts (global to local; multi-cultural). Develop students' leadership capacities and skills for fostering civil discourse and effective professional practices in the nonprofit and civil society sector. Students identify the key civic values, attitudes and expectations that motivate them personally as well as others to engage in civic action and leadership. Students prepare professional portfolios in preparation of a semester-long internship.

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|---|---|---|
| 0101 | James Riker<br>Tu 3:30pm - 5:30pm<br>Contact instructor or department for details. | Seats (Total: 40)<br>SCC 1102 |

**UNIV326** **Beyond the Classroom Seminar II**

**UNIV326** *(PermReq)* **Beyond the Classroom Seminar II; (1 credit)** Grade Method: REG/P-F/AUD.
*Prerequisite: UNIV325. Restriction: Must be in the Beyond the Classroom (BTC) living and learning program.* Seminar for students in internships and service-learning experiences as context for applying communication skills and knowledge of civic engagement leadership skills first introduced in UNIV325. Must be taken concurrently with experiential learning practicum.

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|---|---|---|
| 0101 | Caitlin Haugen<br>Class time/details on ELMs | Seats (Total: 25)<br>ONLINE |
| 0201 | Caitlin Haugen<br>M 5:00pm - 5:50pm | Seats (Total: 25)<br>SCC 1102 |

**UNIV349** **Federal Semester Experiential Learning**

**UNIV349** *(PermReq)* **Federal Semester Experiential Learning; (3-6 credits)** Grade Method: S-F.

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|---|---|---|
| 0101 | Joan Burton<br>Tu 6:10pm - 7:20pm | Seats (Total: 40)<br>SKN 0104 |
| 0201 | Joan Burton<br>W 6:10pm - 7:20pm | Seats (Total: 38)<br>SKN 0104 |

**UNIV378** **Beyond the Classroom Experiential Learning; Internship Experiences/Experiential Learning**

**UNIV378 Beyond the Classroom Experiential Learning: Internship Experiences/Experiential Learning; (1-3 credits)** Grade Method: REG/P-F/AUD. Prerequisite: For students in the Beyond the Classroom (BTC) living and learning program.

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|---|---|---|
| 0101 | Caitlin Haugen<br>Contact instructor or department for details. | Seats (Total: 40) |

**UNIV389A** **Special Topics in Undergraduate Studies; Army ROTC Independent Study Projects**

**UNIV389A Special Topics in Undergraduate Studies: Army ROTC Independent Study Projects; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Curtis Burrell<br>Contact instructor or department for details. | Seats (Total: 20) |

**UNIV389G** **Special Topics in Undergraduate Studies; Solving Converging Global Crises: The Role of the United Nations and Civil Society in Advancing Global Governance**

**UNIV389G Special Topics in Undergraduate Studies: Solving Converging Global Crises: The Role of the United Nations and Civil Society in Advancing Global Governance; (3 credits)** Grade Method: REG/P-F/AUD.
Priority for this course will be given to students enrolled in the Beyon d the Classroom (BTC) Program. Interested students who are not enrolled in the BTC program can e-mail: btcinfo@umd.edu for approval to sign-up for this course.

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| 0101 | James Riker<br>Th 3:30pm - 6:15pm | Seats (Total: 25)<br>SCC 1102 |

**UNIV389J** **Special Topics in Undergraduate Studies; Federal Independent Study Projects**

**UNIV389J Special Topics in Undergraduate Studies: Federal Independent Study Projects; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Joan Burton | Seats (Total: 25) |
| | Contact instructor or department for details. | |

**UNIV389L** **Special Topics in Undergraduate Studies; BTC Seminar III, Civic Leadership for Community Engagement**

**UNIV389L Special Topics in Undergraduate Studies: BTC Seminar III, Civic Leadership for Community Engagement; (3 credits)** Grade Method: REG/P-F/AUD.

Prerequisite: UNIV325 and UNIV326, for advanced students in the Beyond the Classroom (BTC) Living and Learning Program. This multi-disciplinary seminar enables students to develop their leadership skills by working collaboratively with their peers on joint projects to enhance and to deepen civic engagement and constructive social change on key civic issues on campus and in the broader community on local, national and global issues. Students will carry out collaborative community-based research that addresses an important civic issue and advances civic knowledge for solving that issue. Students will write a research paper (BTC monograph) and contribute to a joint professional report. The seminar will culminate in a BTC civic education or showcase event (e.g., public forum, conference, hearing, video presentation, etc.) where students will share their findings with the broader campus and members of the relevant community.

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|---|---|---|
| 0101 | James Riker | Seats (Total: 20) |
| | Contact instructor or department for details. | |

**UNIV389T** **Special Topics in Undergraduate Studies; Beyond the Classroom Seminar III: Social Media for Social Change**

**UNIV389T Special Topics in Undergraduate Studies: Beyond the Classroom Seminar III: Social Media for Social Change; (3 credits)** Grade Method: REG/P-F/AUD.

Priority will be given to students enrolled in the Beyond the Classroom (BTC) Program. Interested students who are not enrolled in the BTC Program can e-mail: btcinfo@umd.edu for approval to sign up for this course.

| | | |
|---|---|---|
| 0101 | Caitlin Haugen<br>W 3:30pm - 6:15pm | Seats (Total: 20)<br>SCC 1102 |

**UNIV399D** **Experiential Learning in Undergraduate Studies; Beyond Sustainable Development- Global and Local Perspectives**

**UNIV399D Experiential Learning in Undergraduate Studies: Beyond Sustainable Development- Global and Local Perspectives; (1 credit)** Grade Method: REG/P-F/AUD.

Examine the issues surrounding the theory and practice of sustainable development both in the U.S. and abroad through films, guest speakers, discussions and field trips. Investigate pressing current issues, including food security, energy issues, climate change, biodiversity conservation, and pollution. Analyze several innovative solutions to these challenges including ecotourism, payment for ecosystem services, the steady state economy, and the role of NGOs and civil society. In addition, students will be expected to research and give a presentation on an innovative solution of their choosing.

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| 0101 | Krista Heiner<br>Tu 6:30pm - 8:30pm | Seats (Total: 15)<br>SCC1 1102 |

**UNIV399P** **Experiential Learning in Undergraduate Studies; People Power -- Activism for Social Change**

**UNIV399P Experiential Learning in Undergraduate Studies: People Power -- Activism for Social Change; (1 credit)** Grade Method: REG/P-F/AUD.

Click here for more course information.

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|---|---|---|
| 0101 | James Riker<br>M 7:00pm - 9:00pm | Seats (Total: 40)<br>SCC 1102 |

**UNIV798A** **Special Topics Colloquium on University Teaching and Learning; Introduction to University Teaching**

**UNIV798A Special Topics Colloquium on University Teaching and Learning: Introduction to University Teaching; (2 credits)** Grade Method: REG.

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|---|---|---|
| 0101 | Sabrina Kramer, Spencer Benson, Samantha Elliott<br>W 4:00pm - 6:00pm | Seats (Total: 18)<br>Location: TBA |

**UNIV798B** **Special Topics Colloquium on University Teaching and Learning; Student Learning**

**UNIV798B Special Topics Colloquium on University Teaching and Learning: Student Learning; (1 credit)** Grade Method: REG.

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|---|---|---|---|
| 0101 | Spencer Benson | Seats (Total: 5) | |
| | Contact instructor or department for details. | | |

# URSP Urban Studies and Planning Spring 2013

**URSP289A** **Livable Communities: Planning for an Aging Society**

**URSP289A Livable Communities: Planning for an Aging Society; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. GenEd: Distributive Studies - Scholarship in Practice; Signature Courses - I-Series.

| | | | |
|---|---|---|---|
| 0101 | Alexander Chen | Seats (Total: 18) | |
| | Tu 11:00am - 12:15pm<br>Th 11:00am - 12:15pm | TYD 1132<br>PLS 1172 | Discussion |
| 0102 | Alexander Chen | Seats (Total: 18) | |
| | Tu 11:00am - 12:15pm<br>Th 11:00am - 12:15pm | TYD 1132<br>HBK 0108 | Discussion |
| 0103 | Alexander Chen | Seats (Total: 18) | |
| | Tu 11:00am - 12:15pm<br>Th 11:00am - 12:15pm | TYD 1132<br>PLS 1119 | Discussion |

**URSP399I** **Independent Study**

**URSP399I** *(PermReq)* **Independent Study; (3 credits)** Grade Method: REG/P-F/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**URSP601** **Research Methods**

**URSP601 Research Methods; (3 credits)** Grade Method: REG/AUD. *Recommended: URSP600; and an undergraduate-level statistics course; and familiarity with Microsoft Excel. Formerly: URBS601.* Use of measurement, statistics, quantitative analysis, and micro-computers in urban studies and planning.

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|---|---|---|
| 0101 | Casey Dawkins<br>Tu 7:00pm - 9:30pm | Seats (Total: 15)<br>ARC 0111 |

**URSP603** **Land Use Planning: Concepts and Techniques**

**URSP603 Land Use Planning: Concepts and Techniques; (3 credits)** Grade Method: REG/AUD.
*Credit only granted for: URSP603, URBS680, or URBS603. Formerly: URBS603.* Basic techniques for regulating the use and appearance of land. Legal framework, social implications, planning approaches, communicating land use information. For URSP majors only.

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| 0101 | Khalid Afzal<br>Tu 4:00pm - 6:30pm | Seats (Total: 20)<br>ARC 1125 |

**URSP604** **The Planning Process**

**URSP604 The Planning Process; (3 credits)** Grade Method: REG/AUD.
*Credit only granted for: URSP604, URBS656, or URBS604. Formerly: URBS604.* Problem formulation, goal setting, generating and evaluating alternatives, budgeting, implementation. Working with committees and communities, conducting meetings, making decisions, and making presentations.

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|---|---|---|
| 0101 | Uri Avin<br>M 4:00pm - 6:30pm | Seats (Total: 25)<br>SQH 1101 |

**URSP606** **Microeconomics of Planning and Public Policy**

**URSP606 Microeconomics of Planning and Public Policy; (3 credits)** Grade Method: REG.
*Restriction: Must not have completed URSP630. Credit only granted for: URSP606, URBS606, or URBS630. Formerly: URBS606.* Resource allocation in a market economy, the nature of market failures, and the justifications for public sector intervention. The limits and possibilities for planning in a market economy.

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| 0101 | Chengri Ding<br>M 4:00pm - 6:30pm | Seats (Total: 10)<br>ASY 3221 |

**URSP631** **Transportation and Land Use**

**URSP631** *(PermReq)* **Transportation and Land Use; (3 credits)** Grade Method: REG/AUD.
*Credit only granted for: URSP631 or URSP688L. Formerly: URSP688L.* The interrelationship between transportation and land use. What are the impacts of various transportation modes on land use patterns, and how can land use solutions influence travel demand. The integration of transportation into master planning and site impact analysis. Using quantitative methods to understand the land use and transportation linkage.

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| 0101 | Hiroyuki Iseki<br>W 7:00pm - 9:30pm | Seats (Total: 20)<br>ARC 1125 |

**URSP640** **Growth Management and Environmental Planning**

**URSP640 Growth Management and Environmental Planning; (3 credits)** Grade Method: REG/AUD.
Topics associated with growth management, defined as policies and strategies by which governments attempted to control the amount, location, pace, pattern and quality of development within their jurisdictions.

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| 0101 | James Cohen<br>Th 7:00pm - 9:30pm | Seats (Total: 25)<br>ARC 1103 |

**URSP662** **Urban and Regional Planning in Developing Countries**

**URSP662 Urban and Regional Planning in Developing Countries; (3 credits)** Grade Method: REG/AUD.
Theoretical exploration of urban and regional change drawing upon international planning and social science literature, and case-study analysis of multiple challenges and opportunities facing planners and policy-makers in the urban-centered areas of less-developed countries.

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|---|---|---|
| 0101 | William Hanna<br>Th 4:00pm - 6:30pm | Seats (Total: 20)<br>ARC 1103 |

**URSP664** **Real Estate Development for Planners**

**URSP664 Real Estate Development for Planners; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: URSP606. Credit only granted for: URSP664 or URSP688F. Formerly: URSP688F.* Planning, Architectural and Public Policy students are introduced to the real estate development process primarily from the point of view of the private entrepreneurial developer. It will include the steps in undertaking a real estate development from the initial concept to the property management and final disposition, the basic financial and tax concepts underlying real estate development, a review of national housing policy,including public-private partnerships, and solving specific real estate development problems using financial spread-sheets.

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|---|---|---|
| 0101 | David Falk<br>W 4:00pm - 6:30pm | Seats (Total: 23)<br>ASY 3221 |

**URSP688L** **Recent Developments in Urban Studies; Planning Technology**

**URSP688L Recent Developments in Urban Studies: Planning Technology; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Chao Liu<br>W 4:00pm - 6:30pm | Seats (Total: 20)<br>ARC 1115 |

**URSP688O** **Recent Developments in Urban Studies; U.S. Housing Policy and Planning**

**URSP688O Recent Developments in Urban Studies: U.S. Housing Policy and Planning; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Casey Dawkins<br>M 7:00pm - 9:30pm | Seats (Total: 20)<br>ARC 1123 |

**URSP688V** **Recent Developments in Urban Studies; Economic Development**

**URSP688V Recent Developments in Urban Studies: Economic Development; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Christopher Dempwolf<br>Tu 4:00pm - 6:45pm | Seats (Total: 20)<br>ARC 1127 |

**URSP688X** **Recent Developments in Urban Studies; New Issues in Community**

**URSP688X Recent Developments in Urban Studies: New Issues in Community; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Howell Baum | Seats (Total: 20) |
| | W 4:00pm - 6:30pm | SQH 1111 |

**URSP709** **Field Instruction**

**URSP709 Field Instruction; (3 credits)** Grade Method: REG/AUD.
Prerequistes: URSP 600, URSP 604, URSP 605 or permission of the department. Formerly: URSP 703. Credit will only be granted for one of the following: URSP 703 or URSP 709.

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|---|---|---|
| 0101 | James Cohen | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**URSP710** **Research Seminar: Urban Theory and Issues**

**URSP710** *(PermReq)* **Research Seminar: Urban Theory and Issues; (3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.
*Prerequisite: 15 credits in URSP courses. Restriction: Must be in Urban and Regional Planning and Design (Doctoral) program. Formerly: URBS710.* An advanced research seminar for M.A. and M.C.P. students preparing their final research projects.

**Contact department for information to register for this course.**

**URSP788** **Independent Study in Urban Studies and Planning**

**URSP788** *(PermReq)* **Independent Study in Urban Studies and Planning; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**URSP798** **Readings in Urban Studies and Planning**

**URSP798** *(PermReq)* **Readings in Urban Studies and Planning; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**URSP799** **Master's Thesis Research**

**URSP799 Master's Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**URSP804** **Advanced Planning Theory**

**URSP804 Advanced Planning Theory; (3 credits)** Grade Method: REG/AUD. Relations between theory and practice in planning. Ways of developing and using knowledge in collective action. Challenges to organizing for planning, finding knowledge useful for planning and balancing social attachments with free inquiry.

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| 0101 | Howell Baum<br>M 1:00pm - 3:30pm | Seats (Total: 10)<br>Location: TBA |

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**URSP805** **Seminar in Research Design**

**URSP805 Seminar in Research Design; (3 credits)** Grade Method: REG. *Prerequisite: URSP804 and URSP810.* Addresses fundamental aspects of research desing for Ph.D students in urban planning and policy-related fields. Topics include principles of research design, formulating a feasible hypothesis and identifying appropriate methodology for testing hypotheses eg. qualitative methods, quantitative methods, survey research. Writing of proposals and dissertation. Publication, presentation, and funding.

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| 0101 | Gerrit Knaap<br>Th 1:00pm - 3:30pm | Seats (Total: 15)<br>JMZ 3118 |

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**URSP898** **Pre-Candidacy Research**

**URSP898 Pre-Candidacy Research; (1-8 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**URSP899** **Doctoral Dissertation Research**

**URSP899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# USLT Latina/o Studies Spring 2013

**USLT202** **US Latina/o Studies II: A Contemporary Overview 1960's to present**

**USLT202 US Latina/o Studies II: A Contemporary Overview 1960's to present; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course.
Interdisciplinary course on emerging populations of Latinos in the 20th century with a focus on the multiple waves of latino immigration as a result of neocolonialism, imperialism, globalization and transnationalism. Examines the positioning of immigrant waves in the political, sociocultural and historical contexts of US Latinidades.

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|---|---|---|
| 0101 | Perla Guerrero | Seats (Total: 30) |
| | TuTh 9:30am - 10:45am | HZF 0106 |

**USLT369A** **Special Topics in Study Abroad III; Thinking in Andalusian: The Antonio Machado Family of Seville**
**Contact department for information to register for this course.**

**USLT488B** **US Latina/o Senior Seminar**

**USLT488B US Latina/o Senior Seminar; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Robert Chester | Seats (Total: 15) |
| | TuTh 11:00am - 12:15pm | HZF 1108 |

**USLT498B** **US Latina/o Studies: Special Topics; Latinas/os and U.S. Popular Culture**

**USLT498B US Latina/o Studies: Special Topics: Latinas/os and U.S. Popular Culture; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as AMST498M.

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|---|---|---|
| 0101 | Robert Chester | Seats (Total: 35) |
| | TuTh 2:00pm - 3:15pm | HBK 0105 |

**USLT498K** **US Latina/o Studies: Special Topics; The Diversifying U.S.: Globalization, Immigrants, Migrants, and Refugees**

**USLT498K US Latina/o Studies: Special Topics: The Diversifying U.S.: Globalization, Immigrants, Migrants, and Refugees; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Perla Guerrero | Seats (Total: 35) |
| | TuTh 12:30pm - 1:45pm | HZF 0106 |

**USLT498Z** **US Latina/o Studies: Special Topics; Advanced Study of Queer Latina/o Cultures: Migration and Sexuality**

**USLT498Z US Latina/o Studies: Special Topics: Advanced Study of Queer Latina/o Cultures: Migration and Sexuality; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as AMST328Y and LGBT448M.

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|---|---|---|
| 0101 | Christopher Perez | Seats (Total: 30) |
| | MW 2:00pm - 3:15pm | SQH 1101 |

# VMSC Veterinary Medical Sciences Spring 2013

**VMSC688A** **Special Topics in Veterinary Medical Sciences; Advances in Reverse Genetics of Animal Viruses**

**VMSC688A Special Topics in Veterinary Medical Sciences: Advances in Reverse Genetics of Animal Viruses; (1-4 credits)** Grade Method: REG.

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|---|---|---|
| 0101 | Siba Samal | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**VMSC698** **Seminar in Veterinary Medical Science**

**VMSC698 Seminar in Veterinary Medical Science; (1 credit)** Grade Method: REG.

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|---|---|---|
| 0101 | Georgiy Belov | Seats (Total: 20) |
| | Th 11:00am - 12:00pm | Location: TBA |
| | Contact instructor or department for details. | |

**VMSC699** **Special Problems in Veterinary Medical Sciences**

**VMSC699 Special Problems in Veterinary Medical Sciences; (1-4 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**VMSC799** **Thesis Research**

**VMSC799 Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**VMSC898** **Pre-Candidacy Research**

**VMSC898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**VMSC899** **Dissertation Research**

**VMSC899** *(PermReq)* **Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

# WMST Women's Studies Spring 2013

**WMST200** **Introduction to Women's Studies: Women and Society**

Both WMST 200 and 250 serve as introductory courses for WMST and may be required before taking some advanced courses with a WMST prefix.
**WMST200 Introduction to Women's Studies: Women and Society; (3 credits)** Grade Method: REG/P-F/AUD. CORE Behavioral and Social Science (SB) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
An interdisciplinary study of the status, roles, and experiences of women in society. Sources from a variety of fields such as literature, psychology, history, and anthropology, focusing on the writings of women.

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|---|---|---|---|
| 0101 | Augusta Bolles | Seats (Total: 10) | |
| | M 2:00pm - 3:40pm | PLS 1140 | |
| | W 2:00pm - 2:50pm | PLS 1168 | Discussion |

| | | | |
|---|---|---|---|
| 0103 | Augusta Bolles<br>M 2:00pm - 3:40pm<br>W 2:00pm - 2:50pm | Seats (Total: 10)<br>PLS 1140<br>PLS 1146 | Discussion |
| 0106 | Augusta Bolles<br>M 2:00pm - 3:40pm<br>F 12:00pm - 12:50pm | Seats (Total: 10)<br>PLS 1140<br>PLS 1168 | Discussion |
| 0201 | yh Patt<br>MWF 10:00am - 10:50am | Seats (Total: 25)<br>HBK 0302H | |
| 0301 | Katie White<br>MWF 11:00am - 11:50am | Seats (Total: 25)<br>WDS 0104 | |

**WMST211** **Women in America Since 1880**

**WMST211 Women in America Since 1880; (3 credits)** Grade Method: REG/P-F/AUD. CORE Social or Political History (SH) Course. CORE Diversity (D) Course. *Also offered as: HIST211. Credit only granted for: HIST211 or WMST211.* An examination of women's changing roles in working class and middle class families, the effects of industrialization on women's economic activities and status, and women's involvement in political and social struggles, including those for women's rights, birth control, and civil rights.

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|---|---|---|---|
| 0101 | Robyn Muncy<br>TuTh 9:30am - 10:20am<br>Tu 12:30pm - 1:20pm | Seats (Total: 20)<br>SKN 0200<br>ASY 3221 | Discussion |
| 0102 | Robyn Muncy<br>TuTh 9:30am - 10:20am<br>Tu 11:00am - 11:50am | Seats (Total: 20)<br>SKN 0200<br>ASY 3221 | Discussion |
| 0103 | Robyn Muncy<br>TuTh 9:30am - 10:20am<br>W 12:00pm - 12:50pm | Seats (Total: 20)<br>SKN 0200<br>ASY 3217 | Discussion |
| 0105 | Robyn Muncy<br>TuTh 9:30am - 10:20am<br>Th 12:30pm - 1:20pm | Seats (Total: 20)<br>SKN 0200<br>SYM 0215 | Discussion |

**WMST250** **Introduction to Women's Studies: Women, Art and Culture**

**WMST250 Introduction to Women's Studies: Women, Art and Culture; (3 credits)**
Grade Method: REG/P-F/AUD. CORE History or Theory of Arts (HA) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
An examination of women's creative powers as expressed in selected examples of music, film, art, drama, poetry, fiction, and other literature. Explores women's creativity in relation to families, religion, education, ethnicity, class, sexuality, and within a cultural tradition shaped by women.

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| 0101 | Michele Prince<br>TuTh 9:30am - 10:45am | Seats (Total: 25)<br>WDS 1130 |
| 0201 | Michele Prince<br>TuTh 12:30pm - 1:45pm | Seats (Total: 24)<br>WDS 1130 |
| 0301 | Melissa Rogers<br>TuTh 11:00am - 12:15pm | Seats (Total: 24)<br>WDS 1130 |
| 0401 | Melissa Rogers<br>TuTh 2:00pm - 3:15pm | Seats (Total: 24)<br>HZF 0106 |
| 0501 | Jessica Vooris<br>TuTh 9:30am - 10:45am | Seats (Total: 24)<br>WDS 0104 |
| 0601 | Laura Kalman Brunner<br>Th 12:30pm - 1:45pm<br>Class time/details on ELMs | Seats (Total: 24)<br>EDU 3315<br>ONLINE |
| 0701 | Yuenmei Wong<br>MWF 10:00am - 10:50am | Seats (Total: 24)<br>KEY 0126 |
| 0801 | Lara Torsky<br>MWF 11:00am - 11:50am | Seats (Total: 25)<br>WDS 1130 |
| 0901 | Renina Jarmon<br>MWF 11:00am - 11:50am | Seats (Total: 25)<br>CHM 1228 |
| 1001 | Jessica Vooris<br>TuTh 11:00am - 12:15pm | Seats (Total: 25)<br>WDS 1114 |

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|---|---|---|
| 1101 | Laura Kalman Brunner<br>Th 2:00pm - 3:15pm<br>Class time/details on ELMs | Seats (Total: 25)<br>EDU 0206<br>ONLINE |

**WMST255** **Reading Women Writing**

**WMST255 Reading Women Writing; (3 credits)** Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
*Also offered as: ENGL250. Credit only granted for: WMST255 or ENGL250.* Images of women in literature by and about women.

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|---|---|---|
| 0101 | Isabella Cooper<br>MWF 12:00pm - 12:50pm | Seats (Total: 30)<br>TWS 0236 |
| 0201 | Amanda Dykema<br>TuTh 2:00pm - 3:15pm | Seats (Total: 30)<br>SQH 1107 |

**WMST265** **Constructions of Manhood and Womanhood in the Black Community**

**WMST265 Constructions of Manhood and Womanhood in the Black Community; (3 credits)** Grade Method: REG/P-F/AUD. CORE Humanities (HO) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences; Diversity - Understanding Plural Societies.
Investigates the ways that African Americans are represented and constructed in public and private spheres and explores the social constructions and representations of Black manhood and womanhood from various disciplinary perspectives. Also offered as AASP298B.

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| 0101 | Jeffrey McCune Jr.<br>MW 3:00pm - 4:15pm | Seats (Total: 35)<br>WDS 0104 |

**WMST269G** **Special Topics in Study Abroad II; Topics on Gender Studies**
**Contact department for information to register for this course.**

**WMST269I** **Special Topics in Study Abroad II; Social Problems: Women's Issues (in Indian Society)**
**Contact department for information to register for this course.**

**WMST269R** **Special Topics in Study Abroad II; Making Gender, Sexuality and Race**
**Contact department for information to register for this course.**

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**WMST269W** **Special Topics in Study Abroad II; Social Problems: Women's Issues Field Study**
**Contact department for information to register for this course.**

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**WMST275** **World Literature by Women**

**WMST275 World Literature by Women; (3 credits)** Grade Method: REG/P-F/AUD. CORE Literature (HL) Course. CORE Diversity (D) Course. GenEd: Distributive Studies - Humanities; Diversity - Understanding Plural Societies.
*Also offered as: CMLT275. Credit only granted for: WMST275 or CMLT275.*
Comparative study of selected works by women writers of several countries, exploring points of intersection and divergence in women's literary representations.

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| 0101 | Lindsay Bogner<br>TuTh 12:30pm - 1:45pm | Seats (Total: 30)<br>HBK 1112 |
| 0201 | Liora Moriel<br>MWF 10:00am - 10:50am | Seats (Total: 30)<br>PLS 1111 |
| 0301 | Liora Moriel<br>MWF 11:00am - 11:50am | Seats (Total: 30)<br>HBK 0105 |

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**WMST298F** **Special Topics in Women's Studies; Gender and Financial Well-being**

**WMST298F Special Topics in Women's Studies: Gender and Financial Well-being; (1 credit)** Grade Method: REG/P-F/AUD.
Meets on 2/11, 2/25, 3/11, 4/8, and 4/22. In collaboration with a team from TD Ameritrade, this course is designed to help students, especially women students, learn the nuts and bolts of managing personal finance. Students are encouraged to consider careers in finance as well as the skills needed for leadership in all careers

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| 0101 | Seung-Kyung Kim<br>**Meets February 11, 2013 - April 22, 2013**<br>M 3:00pm - 5:30pm | Seats (Total: 35)<br><br>KEY 0116 |

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**WMST298G** **Special Topics in Women's Studies; Rebellious Women**

**WMST298G Special Topics in Women's Studies: Rebellious Women; (3 credits)**
Grade Method: REG/P-F/AUD.

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| 0101 | Gay Gullickson<br>TuTh 11:00am - 11:50am<br>Tu 9:30am - 10:20am | Seats (Total: 20)<br>KEY 0102<br>KEY 0121 | <br><br>Discussion |
| 0102 | Gay Gullickson<br>TuTh 11:00am - 11:50am<br>Tu 12:30pm - 1:20pm | Seats (Total: 20)<br>KEY 0102<br>KEY 0121 | <br><br>Discussion |
| 0103 | Gay Gullickson<br>TuTh 11:00am - 11:50am<br>Th 9:30am - 10:20am | Seats (Total: 20)<br>KEY 0102<br>KEY 0121 | <br><br>Discussion |
| 0104 | Gay Gullickson<br>TuTh 11:00am - 11:50am<br>Th 12:30pm - 1:20pm | Seats (Total: 20)<br>KEY 0102<br>KEY 0121 | <br><br>Discussion |

**WMST325** **The Sociology of Gender**

**WMST325 The Sociology of Gender; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
*Prerequisite: 3 credits in SOCY courses. Also offered as: SOCY325. Credit only granted for: SOCY325 or WMST325.* Institutional bases of gender roles and gender inequality, cultural perspectives on gender, gender socialization, feminism, and gender-role change. Emphasis on contemporary American society.

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|---|---|---|---|
| 0101 | Zachary Richer<br>TuTh 9:30am - 10:45am | Seats (Total: 60)<br>ASY 1213 | |
| 0301 | Crosby Hipes<br>MWF 12:00pm - 12:50pm | Seats (Total: 50)<br>ASY 2309 | |
| 0401 | Michelle Sandhoff<br>MWF 11:00am - 11:50am | Seats (Total: 60)<br>ASY 1213 | |
| 0501 | Mehmet Ergun<br>TuTh 2:00pm - 3:15pm | Seats (Total: 60)<br>ASY 1213 | |

**WMST336** **Psychology of Women**

**WMST336 Psychology of Women; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Distributive Studies - History and Social Sciences. *Prerequisite: PSYC100. Also offered as: PSYC336. Credit only granted for: PSYC336 or WMST336.* A study of the biology, life span development, socialization, personality, mental health, and special issues of women. Restricted to WMST or PSYC undergraduate students only.

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| 0101 | Nazish Salahuddin | Seats (Total: 150) |
| | TuTh 11:00am - 12:15pm | JMZ 0220 |

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**WMST348J** **Literary Works by Women; Women and Jewish Literature**

**WMST348J Literary Works by Women: Women and Jewish Literature; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as ENGL348J and JWST319C. Credit will be granted for only one of the following: ENGL348J, JWST319C, or WMST348J.

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| 0101 | Rachel Jablon | Seats (Total: 30) |
| | Class time/details on ELMs | ONLINE |

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**WMST348P** **Literary Works by Women; Women on the Plantation**

**WMST348P Literary Works by Women: Women on the Plantation; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
Also offered as ENGL348P. Prerequisite: two lower-level English courses, at least one in literature; or permission of the department.

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|---|---|---|
| 0101 | Leigh Ryan | Seats (Total: 30) |
| | TuTh 9:30am - 10:45am | TWS 1107 |

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**WMST369B** **Special Topics in Study Abroad III; Spanish and Basque Gender Studies**
**Contact department for information to register for this course.**

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**WMST369L** **Special Topics in Study Abroad III; Women and Society: Latin American Perspectives**
**Contact department for information to register for this course.**

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**WMST386** **Experiential Learning**

**WMST386** *(PermReq)* **Experiential Learning; (1-6 credits)** Grade Method: REG/P-F. *Restriction: Must have Learning Proposal approved by Women's Studies Academic Advisor; and junior standing or higher.*

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| 0101 | Seung-Kyung Kim | Seats (Total: 15) |
| | Contact instructor or department for details. | |

**WMST400** **Theories of Feminism**

**WMST400 Theories of Feminism; (3 credits)** Grade Method: REG/P-F/AUD. *Prerequisite: 1 course in WMST; or must have completed a course cross-listed with a WMST course.* A study of the multiplicity of feminist theories which have been developed to explain women's position in the family, the workplace, and society. Major feminist writings are considered in the context of their historical moment and in the context of the intellectual traditions to which they relate.

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| 0101 | Julie Enszer | Seats (Total: 30) |
| | TuTh 11:00am - 12:15pm | SQH 1117 |

**WMST452** **Women in the Media**

**WMST452 Women in the Media; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course. GenEd: Diversity - Understanding Plural Societies.
*Also offered as: JOUR452. Credit only granted for: JOUR452 or WMST452.*
Participation and portrayal of women in the mass media from colonial to contemporary times.

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|---|---|---|
| 0101 | Carol Rogers | Seats (Total: 35) |
| | TuTh 3:30pm - 4:45pm | KNI 1208 |

**WMST468** **Feminist Cultural Studies; Gender and Postmodern Performance**

**WMST468 Feminist Cultural Studies: Gender and Postmodern Performance; (3 credits)** Grade Method: REG.
Also offered as WMST698P.

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|---|---|---|
| 0101 | Catherine Schuler | Seats (Total: 30) |
| | Tu 3:30pm - 6:00pm | KEY 0103 |

**WMST469G** **Study Abroad Special Topics IV; Gender Studies: A Global Perspective**
**Contact department for information to register for this course.**

**WMST469M** **Study Abroad Special Topics IV; Sociology, Gender and Indigenous Beliefs in Mexican Cultures**
**Contact department for information to register for this course.**

**WMST471** **Women's Health**

**WMST471 Women's Health; (3 credits)** Grade Method: REG/P-F/AUD. CORE Diversity (D) Course.
*Restriction: Must be in a major within ARHU-Women's Studies department; or must be in a major within SPHL-Behavioral & Community Health department. Also offered as: HLTH471. Credit only granted for: HLTH471 or WMST471.* The women's health movement from the perspective of consumerism and feminism. The physician-patient relationship in the gynecological and other medical settings. The gynecological exam, gynecological problems, contraception, abortion, pregnancy, breast and cervical cancer and surgical procedures. Psychological aspects of gynecological concerns.

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|---|---|---|
| 0101 | Allison Bayley | Seats (Total: 200) |
| | MWF 9:00am - 9:50am | SPH 1312 |

**WMST488B** **Senior Seminar; Health Inequalities by Race, Ethnicity, Class and Gender**

**WMST488B** *(PermReq)* **Senior Seminar: Health Inequalities by Race, Ethnicity, Class and Gender; (3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Ruth Zambrana | Seats (Total: 18) |
| | Tu 3:00pm - 5:30pm | EDU 0206 |

**WMST494** **Lesbian Communities and Differences**

**WMST494 Lesbian Communities and Differences; (3 credits)** Grade Method: REG/P-F/AUD.
*Prerequisite: 1 course in WMST. Recommended: WMST200 or WMST250. Also offered as: LGBT494. Credit only granted for: LGBT494 or WMST494.* The meanings of lesbian communities across many lines of difference. Using lesbian-feminists of the 1970s as a starting point, we will look both back and forward in history, tracing changes and exploring the meanings of these in their social and historical contexts.

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|---|---|---|
| 0101 | Julie Enszer | Seats (Total: 35) |
| | TuTh 9:30am - 10:45am | SQH 1117 |

**WMST498G** **Advanced Special Topics in Women's Studies; Women and Gender in Israel**

**WMST498G Advanced Special Topics in Women's Studies: Women and Gender in Israel; (3 credits)** Grade Method: REG/P-F/AUD.
Exploration of Israeli values and culture through gendered, social and historical perspectives from pre-state Palestine until today using a variety of sources, including the development and impact of modern feminist/gender theories and studies. Also offered as ISRL449W.

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| 0101 | Pnina Peri | Seats (Total: 35) |
| | MW 3:30pm - 4:45pm | HBK 0115 |

**WMST498H** **Advanced Special Topics in Women's Studies; Honors Thesis Writing**

**WMST498H** *(PermReq)* **Advanced Special Topics in Women's Studies: Honors Thesis Writing; (1-3 credits)** Grade Method: REG/P-F/AUD.

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|---|---|---|
| 0101 | Deborah Rosenfelt | Seats (Total: 1) |
| | Contact instructor or department for details. | |

**WMST498K** **Advanced Special Topics in Women's Studies; Gender and Autobiography in Modern Jewish History**

**WMST498K Advanced Special Topics in Women's Studies: Gender and Autobiography in Modern Jewish History; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as HIST419A and JWST419A. Credit will be granted for only one of the following: JWST419A, HIST419A, or WMST498K.

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|---|---|---|
| 0101 | Eliyana Adler | Seats (Total: 30) |
| | Tu 3:30pm - 6:00pm | TYD 0101 |

**WMST498L** **Advanced Special Topics in Women's Studies; Women in Israel**
**Contact department for information to register for this course.**

**WMST498Q** **Advanced Special Topics in Women's Studies; Science Fiction Feminisms**

**WMST498Q Advanced Special Topics in Women's Studies: Science Fiction Feminisms; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as ENGL479A.

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|---|---|---|
| 0101 | Katie King | Seats (Total: 30) |
| | TuTh 3:30pm - 4:45pm | WDS 1130 |

**WMST498T** **Advanced Special Topics in Women's Studies; Judaism and the Construction of Gender**

**WMST498T Advanced Special Topics in Women's Studies: Judaism and the Construction of Gender; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as JWST491. Credit will be granted for only one of the following: JWST491 or WMST498T. The study of Jewish culture, religious practice, communal authority, and literature through the frame of such critical categories of analysis as gender, sexuality, masculinity, power, ethics, and the feminine.

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| 0101 | Maxine Grossman | Seats (Total: 25) |
| | TuTh 2:00pm - 3:15pm | SYM 0215 |

**WMST498Z** **Advanced Special Topics in Women's Studies; Black Women's Art and Culture**

**WMST498Z Advanced Special Topics in Women's Studies: Black Women's Art and Culture; (3 credits)** Grade Method: REG/P-F/AUD.
Also offered as AASP498B.

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|---|---|---|
| 0101 | Elsa Barkley Brown | Seats (Total: 35) |
| | M 1:00pm - 3:30pm | TYD 2109 |

**WMST499** **Independent Study**

**WMST499** *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/P-F.
Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

**WMST602** **Approaches to Women's Studies II**

**WMST602** *(PermReq)* **Approaches to Women's Studies II; (3 credits)** Grade Method: REG.
*Prerequisite: WMST400; or students who have taken courses with comparable content may contact the department.* Continued examination of intersectionality and interdisciplinarity with emphasis on the politics of knowledge production and identity.

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| 0101 | Ashwini Tambe | Seats (Total: 12) |
| | Th 2:30pm - 5:00pm | WDS 2101R |

**WMST618** **Feminist Pedagogy**

**WMST618** *(PermReq)* **Feminist Pedagogy; (3 credits)** Grade Method: REG.

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| 0101 | Augusta Bolles | Seats (Total: 10) |
| | TBA | WDS 1131 |

**WMST619** **Women's Studies Teaching Practicum**

**WMST619** *(PermReq)* **Women's Studies Teaching Practicum; (1 credit)** Grade Method: REG.

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| 0101 | Seung-Kyung Kim | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**WMST621** **Feminist Theories and Women's Movements: Genealogies**

**WMST621** *(PermReq)* **Feminist Theories and Women's Movements: Genealogies; (3 credits)** Grade Method: REG/AUD.
*Prerequisite: WMST400; or permission of ARHU-Women's Studies department.* Examines theories to explain the matrix of domination from the nineteenth century to the present. Students learn the key debates that produceed new insights and shifted the ground of subsequent feminist theorizing within multi-racial feminisms. Examines those debates within global perspectives. Examines how dominant theoretical frameworks have been developed at specific historical moments.

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| 0101 | Deborah Rosenfelt | Seats (Total: 12) |
| | W 4:00pm - 6:30pm | WDS 2101R |

**WMST628** **Women's Studies Colloquium**

**WMST628** *(PermReq)* **Women's Studies Colloquium; (1 credit)** Grade Method: S-F. For WMST students only.

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| 0101 | Seung-Kyung Kim | Seats (Total: 10) |
| | Contact instructor or department for details. | |

**WMST698B** **Special Topics in Women's Studies; Health Inequalities by Race, Ethnicity, Class and Gender**

**WMST698B Special Topics in Women's Studies: Health Inequalities by Race, Ethnicity, Class and Gender; (3 credits)** Grade Method: REG/AUD.

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| 0101 | Ruth Zambrana | Seats (Total: 5) |
| | Tu 3:00pm - 5:30pm | EDU 0206 |

**WMST698P** **Special Topics in Women's Studies; Gender and Postmodern Performance**

**WMST698P Special Topics in Women's Studies: Gender and Postmodern Performance; (3 credits)** Grade Method: REG.
Also offered as WMST468.

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|---|---|---|
| 0101 | Catherine Schuler | Seats (Total: 5) |
| | Tu 3:30pm - 6:00pm | KEY 0103 |

**WMST698Q** **Special Topics in Women's Studies; Science Fiction Feminisms**

**WMST698Q Special Topics in Women's Studies: Science Fiction Feminisms; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Katie King | Seats (Total: 5) |
| | TuTh 3:30pm - 4:45pm | WDS 1130 |

**WMST698Z** **Special Topics in Women's Studies; Black Women's Art and Culture**

**WMST698Z Special Topics in Women's Studies: Black Women's Art and Culture; (3 credits)** Grade Method: REG/AUD.

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|---|---|---|
| 0101 | Elsa Barkley Brown | Seats (Total: 5) |
| | M 1:00pm - 3:30pm | TYD 2109 |

**WMST699** **Independent Study**

**WMST699** *(PermReq)* **Independent Study; (1-3 credits)** Grade Method: REG/AUD. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**WMST709** **Directed Independent Reading for Major Field Exam**

**WMST709** *(PermReq)* **Directed Independent Reading for Major Field Exam; (1-4 credits)** Grade Method: S-F.

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| 0101 | Elsa Barkley Brown<br>Contact instructor or department for details. | Seats (Total: 3) |
| 0201 | Augusta Bolles<br>Contact instructor or department for details. | Seats (Total: 2) |
| 0301 | Bonnie Dill<br>Contact instructor or department for details. | Seats (Total: 2) |
| 0401 | Seung-Kyung Kim<br>Contact instructor or department for details. | Seats (Total: 3) |
| 0501 | Katie King<br>Contact instructor or department for details. | Seats (Total: 2) |
| 0601 | Jeffrey McCune Jr.<br>Contact instructor or department for details. | Seats (Total: 1) |
| 0701 | Claire Moses<br>Contact instructor or department for details. | Seats (Total: 3) |
| 0801 | Deborah Rosenfelt<br>Contact instructor or department for details. | Seats (Total: 2) |
| 0901 | Michelle Rowley<br>Contact instructor or department for details. | Seats (Total: 2) |

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**WMST799** **Masters Thesis Research**

**WMST799** *(PermReq)* **Masters Thesis Research; (1-6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**WMST898** **Pre-Candidacy Research**

**WMST898 Pre-Candidacy Research; (1-8 credits)** Grade Method: REG/S-F. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**

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**WMST899** **Doctoral Dissertation Research**

**WMST899** *(PermReq)* **Doctoral Dissertation Research; (6 credits)** Grade Method: REG. Individual Instruction course: contact department or instructor to obtain section number.

**Contact department for information to register for this course.**